

State of New Jersey DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF HAZARDOUS WASTE MANAGEMENT

John J. Trela, Ph.D., Director 401 East State St. CN 028 Trenton, N.J. 08625 609 - 633 - 1408

LaVern R. Heble
OxyChem-Environment & Safety
Occidental Chemical Center
360 Rainbow Boulevard South
Box 728
Niagara Falls, New York 14302

DEC 2 9 1987

Dear Ms. Heble:

RE: In the Matter of Diamond Shamrock Chemicals Company Administrative Consent Order

This is in response to your letter dated October 26, 1987, to Lance R. Miller regarding the effect that the merger of Occidental Electrochemicals Corporation (formerly Diamond Shamrock Chemicals Company) into Occidental Chemical Corporation will have on the above referenced Administrative Consent Order ("ACO").

The Diamond Shamrock ACO remains in full force and effect and no modifications/amendments are required at this time. However, be advised that the Department considers the terms and conditions of the Diamond Shamrock ACO binding upon Occidental Chemical Corporation as the successor in interest to Diamond Shamrock Chemicals Company pursuant to Paragraph 16.G of the Diamond Shamrock ACO.

Should you have any questions concerning this matter please contact Mr. Michael Mandracchia of my staff at 609-633-7141.

Sincerely,

Thomas R. Kearns, Chief

Bureau of ECRA Applicability

and Compliance

E24:kc

Occidental Chemical Corporation

December 15, 1987

Mr. Michael DeTalvo, Supervisor Bureau of ECRA Applicability and Compliance New Jersey Department of Environmental Protection CNO28 Trenton, New Jersey 08625

Re: Environmental Cleanup Responsibility Act (ECRA) Diamond Shamrock Chemical Co. 86334, 86335, 86336, 86337

Dear Mr. DeTalvo:

The purpose of this letter is to advise you that the corporate reorganization described in my letter to Mr. Tom Kearns dated October 12, 1987 was completed on November 30, 1987. As of that date, OEC ceased to exist as a legal entity, and all of its properties, assets and liabilities have been assigned by operation of law to the OCC legal entity.

Yours truly,

LaVern R. Heble

Manager - Environmental Projects

LRH: b1p 5603E-59

cc: Lance R. Miller



State of New Jersey DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF HAZARDOUS WASTE MANAGEMENT

John J. Trela, Ph.D., Acting Director 401 East State St. CN 028 Trenton, N.J. 08625 609 - 633 - 1408

23 FEB 1987

Mr. Thomas Horvath
Oxy Process Chemicals, Inc.
Berry Avenue and Route 17
Carlstadt, N.J. 07072

Dear Mr. Horvath:

RE: Diamond Shamrock Chemicals Company, Change of Ownership

On October 27, 29 and 30, Occidental Electro Chemicals Corp. informed the NJDEP of a transfer of ownership for the Diamond Shamrock plants in Carlstadt, Harrison and Jersey City, New Jersey from the Diamond Shamrock Chemicals Company to Oxy Process Chemicals Inc.

According to the New Jersey Administrative Code, N.J.A.C. 7:26-12.3(c)4, any changes in the ownership or operational control of a facility must be approved in advance by the Department.

Therefore Oxy Process Chemicals, Inc., is hereby required to submit within thirty (30) days from the date of this letter an Alternative Information Statement for the plants in New Jersey effected by the change in ownership. For your convenience, enclosed you will find this form.

Please be also aware that as stated in N.J.A.C. 7:26-12.3, when a transfer of ownership or operational control of a facility occurs, the old owner or operator shall comply with the hazardous waste facility financial requirements of N.J.A.C. 7:26-9.10 and 9.11, until the new owner or operator has demonstrated to the Department that it is complying with these sections. Upon demonstration to the Department by the new owner or operator of compliance with these requirements, the Department shall notify the old owner or operator in writing that it no longer needs to comply with these sections as of the date of demonstration.

Mr. Thomas Horvath

Please be advised this matter has been referred to the Department's Enforcement group for appropriate action for failure to demonstrate compliance with the aforementioned requirements in a timely fashion. If you have any questions, contact George Mejia from my staff at (609) 292-9880.

Very truly yours,

A Same

Ernest J. Kuhlwein, Jr., Acting Chief Bureau of Hazardous Waste Engineering

EP35/sg

Enc.

c: Lori Amato, USEPA - Region II

Joe 'Galley, ECRA'

Earlene Baumunk, BHWE

MAR 27 1987-

APR 1 1987

STATE TAX

DATE: January 1987

		•	HAZARDOUS SI	BSTANCE REPORT			,
, PRODUCT CODE	PRODUCT NAME	LBS. PER GAL.	POUNDS RECEIVED	NO. OF BBLS. 42 GALS BBL	COST PER LB.	\$0.04 PER BBL.	\$ 8/10 OF 1% OF COST
		l					
CV5X	ACETIC ANHYDRIDE	9.02					
CA4A	AQUA AMMONIA	7.50					
CF3E	FORMALDEHYDE	9.26					
CN2A	NAPHTHALENE PET.	8.33	586120	1675	.26	67.00	1219.13
CN2O	NAPHTHALENE CRUDE	8.05	210460	622	.16	24.88	• 269.39
СВЗР	PHENOL U.S.P.	8.7.6					
CP3D	POT. HYDROXIDE	12.12					
CS4I	SOD. HYDROXIDE	12.76	421510	787		31.48	257.96
CA2T	OLEUM 20%	15.96	176620	263	039	10.52	55.11
CV5K	SULFURIC ACID 98	15.40	497060	· 768 ·	.0368	30.72	146.33
CO4N	ORTHO CRESOL SYNTH.	.,8.8					
CX2N	XYLENE .	7.3	48337.75	149	.0733	5.96	28.35
	FUEL OIL #	7.702					
		•					
 				4543 '		181.72	2028.23

TOTAL:

T. Stepien 3/19/87

MAR 27 1987

STATE JAX

· CARLSTADT PLANT

DATE FEBRUARY 1987

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, PRODUCT	PRODUCT	LBS. PER	POUNDS RECEIVED	NO. OF BBLS. 42 GALS BBL	COST PER LB.	\$0.04 PER BBL.	\$ 8/10 OF 1% OF COST
CODE	NAME	GALL.		•		•	
		9.02					
CV5X	ACETIC ANHYDRIDE	7. 5.0					
CN4N	VONY VINONIV	7.50		,			
CF3E	FORMALDEHYDE	9.26				7.5.7.6	1007.16
Cran		8.33	484210	1384	.26	55.36	
CN2V	NAPHTHALENE PET.		195760	579	. 14	23.16	. 219.25
CN2O	NAPHTHALENE CRUDE	8.05			. 21	3.80	58.73
СВЗР	PHENOL U.S.P.	8.76	34960	. 95			92.41
CB3P		12.12	82510	162	. 14	6.48	
CP3D	POT. HYDROXIDE		4.10020	782	.0765	31.28	256:44
CS4I	SOD. HYDROXIDE	12.76	419020.	•		6.20	33.16
	OLEUM 20%	15.96	103620	155	.04		
СЛ2Т		15.40	742740	1148	.0368	45.92	218.66
CV5K	SULFURIC ACID 98				·		
CO4N	ORTHO CRESOL SYNTH.	8.8				5 10	. 35.97
		7.3	39100 .	128	. 115	5.10	
CX2N	XYLENE	7.702	•	•	•	• .	
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T. STEPIEN

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MAR 27 1987

STATE JAX

DATE: DECEMBER 1986

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PRODUCT	PRODUCT NAME	LBS. PER	POUNDS RECEIVED	NO. OF BBLS. 42 GALS BBL	COST PER LB.	\$0.04 PER BBL.	1 OF COST
CODE	MANAG					•	
CV5X	ACETIC ANHYDRIDE	9.02					
· CV4V	VÕNY VMWONIV	7.50					
CF3E	FORMALDEHYDE	9.26	35040	90	.0594	3.60	16.65
CN2A	NAPHTHALENE PET.	8.33	714120	2041	. 26	81.64	1485.37
CN20	NAPHTHALENE CRUDE	8.05	207040	612	.1710	24.48	• 283.23
	PHENOL U.S.P.	8.76					
СВЗР	POT. HYDROXIDE	12.12	42660	84	. 14	. 3.36	47.78
CP3D		12.76	556310	1038	0765	41.52	340.46
CS4I	SOD. HYDROXIDE	15.96	228440	341	.039	13.64	71.27.
CA2T	OLEUM 20%	15.40	784640	1213	.0368	48.52	231.00
CV5K	SULFURIC ACID 98	17.70					
CO4N	ORTHO CRESOL SYNTH.	8.8	'				•
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Occidental Chemical Corporation ??

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New Jersey Department of Environmental Protection Division of Waste Management CN 028 32 E. Hanover Street Trenton, N.J. 08625

> Re: Revision of Part A Application EPA I.D. No. NJD002012219

Gentlemen:

During a recent RCRA inspection performed by the NJDEP it was brought to our attention that our Part A application did not accurately reflect the types of waste being handled by the plant. In an effort to rectify this situation, a new Part IV of RCRA Form 3 has been prepared. I have enclosed this page, in a copy of the RCRA Part A application, submitted on October 27, 1986 to cover transfer of ownership.

Please contact me at (201) 933-5222 if there are any problems or questions concerning this updating of the application.

Sincerely,

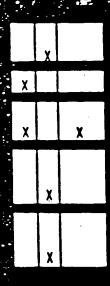
Vincent F. Bennett

Safety/Environmental Engineer

VFB:gg

cc: R. Novak

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PROCESS CHEMICALS, INC

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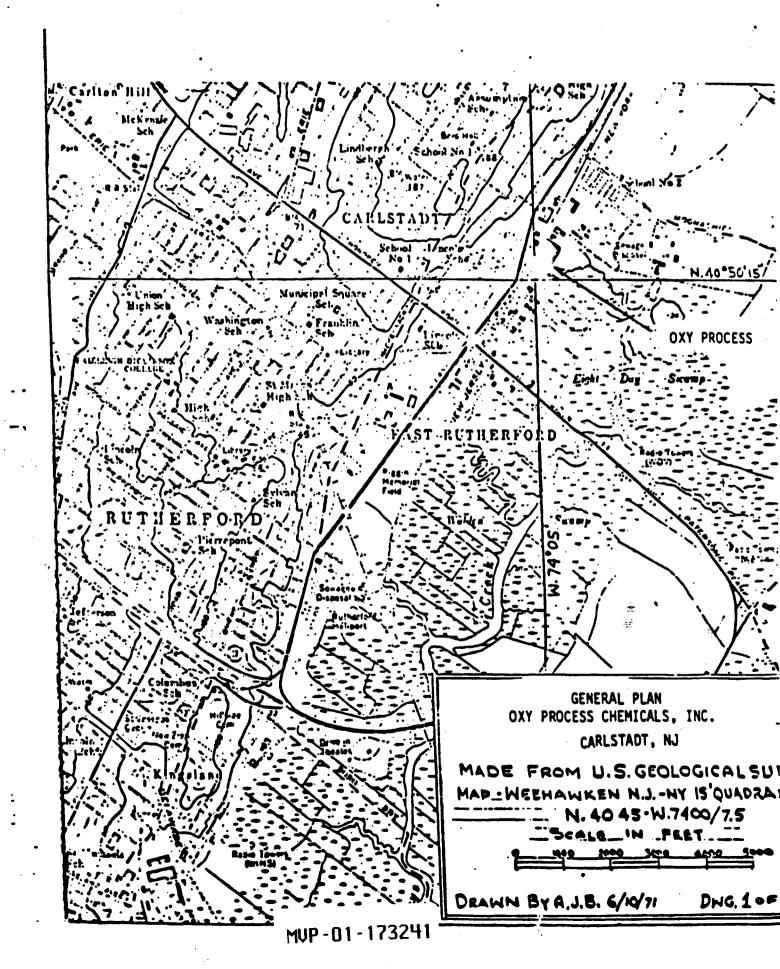
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Michael J. Rudick Vice President	
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CARLSTADT AIR PERMIT LOG

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013767	9/24/90	070204	5/02/91
019163	10/24/90	070205	Temp.
030482	5/04/87	070206	5/02/91
030483	5/04/87	070207	5/02/91
030484	5/04/87	070208	5/02/91
030485	5/04/87	070210	5/22/91
030486	5/04/87	070211	5/22/91
031634	3/6/88	070212	5/22/91
034494	8/8/87	070394	3/21/91
034495	8/8/87	070395	3/21/91
034496	8/08/87	070396	3/29/91
034497	8/08/87	070516	4/10/91
044657	11/24/89	070517	4/10/91
044676	1/03/90	070518	4/10/91
044953	6/12/88	070600	4/25/91
045068	7/15/91	070967	3/15/91
045069	1/08/87	071127	4/12/91
045070	6/23/86	071128	4/12/91
045071	6/23/86	071129	4/12/91
045072	7/15/86	071130	4/12/91
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061853	8/09/87	071449	5/17/91
068584	6/13/89	072557	2/23/91
068715	10/05/90	072558	3/10/91
068716	Temp.	073735	Temp.
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Continued from page 2. Form Approved OMB 10. 158-580004 NOTE: Photocopy this page before completing u have more than 26 westes to list. FOR OFFICIAL USE ONLY EPA I.D. NUMBER (SHIEF From page 1) DUP W DUP IV. DESCRIPTION OF HAZARDOUS WASTES (continued) C. UNIT OF MEA SURE (enter code) D. PROCESSES B. ESTIMATED ANNUAL QUANTITY OF WASTE HAZARD. 2. PROCESS DESCRIPTION (If a code is not entered in D(1)) ZO WASTE IN JE 1. PROCESS CODES (enter) 29 27 . 20 27 . 2 le le la 0 1,000 2 D lo. 0 2 0 5,000 3 D 0 0 0 13 500 4 u lo lo 2 10 0 1 *Also NJ Code X109 5 u lo ٥ 17 100 0 1 6 U 10 11 13 500 0 1 7 U lo la 100 0 1 *Also NJ Code X170 8 U lo la 500 S 0 1 *9 *Also NJ Code X176 0 1 U 10 14 10 10 U 10 15 2 P S 0 1 1,000 11 S 0 1 G 10 12 S 0 1 P 5,000 13 S 0 1 G 100 14 G S 0 1 u li 15 100 *Also NJ Code X329 ^{*}15 P S 0 1 U 1 6 15 2,500 16 S 0 1 P Ü 8 18 2,500 *Also NJ Code X456 **7**7 S 0 1 U 2 3 P 18 4,000 18 S 0 1 U 2 3 G 9 2,500 NJ Code in "A" 19 G S 0 1 1,000 NJ Code in "A" ls o ı 20 G 100 12 2 NJ Code in "A" 21 S 0 1 G 1,000 2 NJ Code in "A" 22 G 200 17 12 NJ Code in "A" 23 G 500 5 0 NJ Code in "A" 24 P X IS 15 S 0 1 1,000 NJ Code in "A" G X |9 10 S 0: 1 Ю 500 MVP-01-1732 NJ Code in "A" 26 000 CONTINUE ON REVERSE

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III. FACILITY OWNER		Marie in the board	n she lede seed
A. If the facility owner is also the facility operator skip to Section IX below.	as listed in Section VIII on Form 1, "Gene	rs information", place an "X" in the box t	
S. If the facility owner is not the facility operator	m lieset in Section VIII on Form 1, compl	on the following home:	
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C. OWNER CERTIFICATION			
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PAGE 4 OF 5

CARLSTADT DRUM STORAGE FACILITY



MUP-01-173246

DIAMOND SHAMROCK CHEMICALS CO. - CARLSTADT, N.J. PLANT WASTE MINIMIZATION PLAN - 1986

Drums of Paraformaldehyde Flakes - From the formation of a phenol-formaldehyde resin. Paraformaldehyde, in flake form, would not react completely and had to be filtered from the final product. This resulted in the generation of approximately six drums a year of waste paraformaldehyde. The plant has switched from flake to a prill form of paraformaldehyde which reacts completely, eliminating any waste from this product.

Collapsed Fiber Drums Containing Product - The plant experienced a problem with fiber drums of various materials collapsing during the summer months. By switching to a drum with a thicker polyliner, the problem was vitrually eliminated. This has reduced the amount of waste produced by 20-30 drums per year.

Drums of Cotton Felt Filter Cloths - From the final filtration of the plant's Sodium Hydrosulfite product. Currently investigating the possibility of using cloth filters, instead of disposable cotton felt filters. If feasible, this would virtually eliminate any drums of waste being produced by the plant on a regular basis.

Calcium Sulfate (Gypsum) Sludge - From the neutralization of low salt Lomar products. The plant is experimenting with oleum sulfonations on this line of products. The use of oleum will insure a greater degree of sulfonation reducing the amount of residual sulfuric acid, thus eliminating the need to lime the batches to reduce salt levels. By instituting oleum sulfonations on the 1987J product line, the plant was able to reduce the amount of sludge generated last year by approximately 87 tons. Work is continuing to convert more products to this process.

MISCELLANEOUS MEASURES:

- Reductions in the size of the batches, which are especially reactive, to prevent accidental discharge.
- Installation of catch boxes on emergency relief vents to catch and recycle product to the operation instead of creating waste material.
- Computerized temperature monitoring of condensation reactions to insure batches remain under control.

The goal of the plant is to reduce to the greatest degree the two waste streams that are currently generated on a regular basis: Cotton Felt Filter Cloths and Calcium Sulfate Sludge. All other waste generated occur due to unforeseen circumstances and not as part of the normal operation of the plant.

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WASTE MANAGEMENT HAZARDOUS SITE MITIGATION ADMINISTRATION BUREAU OF INDUSTRIAL SITE EVALUATION

ENVIRONMENTAL CLEANUP RESPONSIBILITY ACT (ECRA) INITIAL NOTICE

GENERAL INFORMATION SUBMISSION (GIS)

This is the first part of a two-part application form. This information must be submitted within 5 days following public release of a decision to close operations or the signing of a sales agreement or option to purchase involving an Industrial Establishment as defined in N.J.S.A. 13:1K-6, the Environmental Cleanup Responsibility Act.

SUBMIT THE ORIGINAL PLUS TWO COPIES OF THIS COMPLETED FORM AND ANY ATTACHMENTS.

Please refer to instructions and N.J.A.C. 7:1-3.7(d) before filling out this form. Answer all questions. Please print or type.

	Date: May 9, 1986
Industrial Establishment:	
Name: Diamond Shamrock Chemicals Company	Telephone No.: (201) 933-5222
·	
City or Town: Carlstadt State: _	New Jersey Zip Code: 07072
	· · · · · · · · · · · · · · · · · · ·
Current Owner (Property): Name: Diamond Shamrock Chemicals Company Firm: Diamond Shamrock Chemicals Company	Telephone No.: <u>(214)</u> 659-7000
Street Address: P. O. Box 152300 - 351 Phelps Co	ourt
Municipality: Irving State:	Texas Zip Code: 75015
Current Operator of Industrial Establishment: Name: Same as 1,D. Firm:	Telephone No.:
Street Address:	
Current Owner (Business, if different from operator): Name: Same as 1 D.	Telephone No.:
Street Address:	
Municipality: State:	Zip Code:
·	•
	Name: Diamond Shamrock Chemicals Company Street Address: Berry Avenue @ Rte. 17N City or Town: Carlstadt State: Municipality: Carlstadt

Date Rec'd. _

Notice No.

	G.	If the Industrial Establishment discharges sanitary and/or industrial wastes to a publicly-owned treatment plant, provide the name and address of that facility.
		Name: Joint Meeting - Rutherford, E. Rutherford Telephone No.: (201) 939-1794
		Street Address: P. U. BOX 281 - FOOT Of Borough Street
		Municipality: Rutherford State: New Jersey Zip Code: 07070
		Is a septic system used (or used previously) at the site? Yes No
	H.	Has an ECRA application been filed for this Industrial Establishment or location subsequent to January 1, 1984? Yes No If so, when?
		For what reason
		Final disposition
		How is this Industrial Establishment heated? (gas, oil, electricity) Oil-fired boilers w/gas-firing Capability
2.	odes pre sh	t previous activities at the location(s) involved (attach additional sheets if necessary). In addition to cribing the activities, list the business name(s), current address(es) and dates of ownership/operation of the vious activity(ies), if known. Records not maintained on historical matters. Current records ow:
	<u>a.</u>	NOPCO Chemical Company owned and operated facility from 1959 to merger into present
		Diamond Shamrock Chemicals Company in 1967. Specialty chemicals production-
		operations, generally similar to current operations, were conducted.
	<u>b.</u>	
		understand specialty chemicals for the textile industry were produced, similar
		to part of current energy to .
3.	pub	Prior to 1921, we understand the Silver Fox Lard Co. owned the facility. Their operations are unknown the transaction initiating an ECRA review is the cessation of operations at this location, fill in the date of olic release of the decision to close the facility and enclose a copy of the public announcement. Is a sion of operations involved?
		te of the public release of the decision
		the public release enclosed?
	If y	you checked "no", state the reason(s)
	_	
4.	If to	the transaction initiating an ECRA review is an agreement of sale or option to purchase, fill in the date the execution of that instrument plus provide a copy of the document Not yet finalized, but expected
	A.	Is a sale involved? Yes No
	В.	Date of Agreement Not yet finalized, but expected shortly.
	C.	Is a copy of the agreement of sale or option to purchase attached? Yes No
		If you checked "no", state the reason(s) No final sales agreement reached at this time.

	NUMBER	DISCHARGE ACTIVITY	DATE ISSUED OR DENIED	EXPIRATION DATE		DY OF WATER CHARGED INTO
	NJ0002798	Chemicals Pro	od. Issue 12/7/83	1/14/89	Berry!	s Creek
	(Same)	Chemicals Pro	od. <u>Addendum</u> 5/21/84	1/14/89	HMDC C	ollection Sewe
C.	recent generator	r Annual Report pre	tion Agency (EPA) Ide pared pursuant to the l	entification Nun New Jersey Haza	nber and cop ardous Waste	y of the most Regulations.
		012219				
	is a copy of the	Annual Report attack	ched? 🖒 Yes 🗆] No		
D.	•	il, state, local govern	mental permits.			
		GENCY NG PERMIT	PERMIT NUMBER	DATE APPROVAL O	-	EXPIRATION DATE
1	. NJ Dept. of	Environ, Protec	tion <u>1009</u>	1/21/	76	None
	"Permit to	Locate"				
2	. Hackensack	Meadowlands	0C-76-147	5/26/	77	None -
If a	Development "Certificat applicable, identinaties, or crimin	al actions concerning years. Records no	orders, temporary or p the environment issue t complete for hi	ed against the fact storical mat	74 ctions, civil a	ners, or managers
If a per du	Development "Certificat applicable, identi nalties, or crimin ring the last ten	es of Occupancy" ify all administrative al actions concerning years. Records no are summan aforcement actions an	OC-73-127 orders, temporary or p the environment issue of complete for hi rized on the attac	10/29/ permanent injuncted against the factorical mat	74 ctions, civil a	None administrative
If a per du	Development "Certificat applicable, identi nalties, or crimin ring the last ten eck here if no en Date of Action	es of Occupancy" ify all administrative al actions concerning years. Records no are summan aforcement actions as	OC-73-127 orders, temporary or p the environment issue of complete for hi rized on the attac	10/29/ permanent injuncted against the factorical mat	74 ctions, civil a	None administrative
If a per du	Development "Certificat applicable, identinalties, or crimin ring the last ten teck here if no en Date of Action Section of Law	es of Occupancy" ify all administrative al actions concerning years. Records no are summan aforcement actions an	OC-73-127 orders, temporary or p the environment issue of complete for hi rized on the attac	10/29/ permanent injuncted against the factorical mat	74 ctions, civil a	None administrative
If a per du	Development "Certificat applicable, identinalties, or crimin ring the last ten teck here if no en Date of Action Section of Law	es of Occupancy" ify all administrative al actions concerning years. Records no are summan aforcement actions as	OC-73-127 orders, temporary or p the environment issue of complete for hi rized on the attac	10/29/ permanent injuncted against the factorical mat	74 ctions, civil a	None administrative
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If a per du	Development "Certificat applicable, identinalties, or crimin ring the last ten teck here if no en Date of Action Section of Law Type of Enforce	es of Occupancy" ify all administrative al actions concerning years. Records no are summan aforcement actions and or Statute violated cement Action	OC-73-127 orders, temporary or p the environment issue of complete for hi rized on the attac re involved	10/29/ permanent injunced against the factorical mathed list.	74 ctions, civil a cility, its ow ters. Cur	None administrative ners, or managers rrent records
If a per du	Development "Certificat applicable, identinalties, or crimin ring the last ten teck here if no en Date of Action Section of Law Type of Enforce	es of Occupancy" ify all administrative al actions concerning years. Records no are summan aforcement actions and or Statute violated cement Action	OC-73-127 orders, temporary or p the environment issue of complete for hi rized on the attac re involved	10/29/ permanent injunced against the factorical mathed list.	74 ctions, civil a cility, its ow ters. Cur	None administrative ners, or managers rrent records
If a per du	Development "Certificat applicable, identinalties, or crimin ring the last ten teck here if no en Date of Action Section of Law Type of Enforce	es of Occupancy" ify all administrative al actions concerning years. Records no are summan aforcement actions and or Statute violated cement Action	OC-73-127 orders, temporary or p the environment issue of complete for hi rized on the attac re involved	10/29/ permanent injunced against the factorical mathed list.	74 ctions, civil a cility, its ow ters. Cur	None administrative ners, or managers rrent records
If a per du	Development "Certificat applicable, identinalties, or crimin ring the last ten beck here if no en Date of Action Section of Law Type of Enforce Description of	ify all administrative al actions concerning years. Records no are summar aforcement actions are or Statute violated the Violation	OC-73-127 orders, temporary or p the environment issue of complete for hi rized on the attac re involved	10/29/ permanent injunced against the factorical mathed list.	74 ctions, civil a cility, its ow ters. Cur	None administrative ners, or managers rrent records
If a per du	Development "Certificat applicable, identinalties, or crimin ring the last ten beck here if no en Date of Action Section of Law Type of Enforce Description of	ify all administrative al actions concerning years. Records not are summar aforcement actions are summar forcement actions at the Violation	OC-73-127 orders, temporary or p the environment issue of complete for hi rized on the attac re involved	10/29/ permanent injunced against the factorical mathed list.	74 ctions, civil a cility, its ow ters. Cur	None administrative ners, or managers rrent records
If a per du	Development "Certificat applicable, identinalties, or crimin ring the last ten beck here if no en Date of Action Section of Law Type of Enforce Description of	ify all administrative al actions concerning years. Records not are summar aforcement actions are summar forcement actions at the Violation	OC-73-127 orders, temporary or p the environment issue of complete for hi rized on the attac re involved	10/29/ permanent injunced against the factorical mathed list.	74 ctions, civil a cility, its ow ters. Cur	None administrative ners, or managers rrent records

RAW MATERIAL INVENTORIES

CODE	DESCRIPTION	CODE	DESCRIPTION
CA2I	70% METHANE SULFONIC ACID	CC4G	HEXYLENE GLYCOL
CA2K	98% SULFURIC ACID	CC4N	DIPHENYLAMINE (TECH)
CA2M	80% LACTIC ACID	CC5H	UCON 50 HB 5100
CA2R	85% PHOSPHORIC ACID	CC7P	CELLOSOLVE ACETATE
CA2T	20% OLEUM	CC7S	PLURACOL POLYOL TP740
CA2X	ACETIC ANHYDRIDE	008P	METHYLDIETHANOLAMINE
CA2Z	70% HYDROXYACETIC ACID	CC9A	PLURACOL POLYOL TP1540
CASD	METHYL ALCOHOL	0090	PLURACOL POLYOL TP440
CA3F	ISOPROPYL ALCOHOL	CC9D	POLYPROPYLENE GLYCOL
CA3G	N-BUTYL ALCOHOL	CC90	POLYALKYLENE TRIOL
CA4A	26'Be AQUA AMMONIA	CC9P	1,3 BUTYLENE GLYCOL
CA4H	ANHYDROUS AMMONIA	CD4R	ACTIVATED CARBON
CR4K	AMMONIUM CARBONATE	CF3C	70% FORMIC ACID
CA5S	HYPOPHOSPHOROUS ACID	CF3E	37% FORMALDEHYDE
CA6E	ITACONIC ACID	CF4B	DIBUTYL-TIN DILAURATE
CA6H	99.5% SULFAMIC ACID	CF5F	DIAMATACEOUS EARTH
CB3C	MONOCHLOROBENZENE	CG3W _.	GUM KARAYA SCREENINGS
CB3F	BISPHENOL A	CG5E	TRIMETHYLOL PROPANE
CB3P	PHENOL	CH2A	HYDROGEN PEROXIDE
CB4K	90% META/PARA CRESOL	CH3G	BUTYLATEDHYDROXYTOLUENE
CB4X	BENZOYL CHLORIDE	СНЗМ	ETHYL ANTIOXIDANT 330
CC3E	DIETHYLENE GLYCOL	CL2D	HYDRATED LIME
ССЗН	TRIETHANOLAMINE	CL3B	LECITHIN (UNBLEACHED)
CC3U	AMINOETHYLETHANOLAMINE	CM2H	DIMETHOXANE
CC3M	TETRAETHYLENE PENTAMINE	CM2L	PARAFORMALDEHYDE FLAKES
CC3Y	DIETHANOLAMINE	CM4J	ACRYLAMIDE MONOMER

When I

CM5P	POLYOL 395	CS4E	SODIUM BENZOATE
CM5S	POLYVINYL PYRROLIDONE	CS4I	50% SODIUM HYDROXIDE
CN2A	PETROLEUM NAPHTHALENE	CS4L	BICARBONATE OF SODA
CN20	COAL TAR NAPHTHALENE	CS4Y	SODIUM SULPHIDE FLAKES
CN5K	MINERAL SPIRITS	CS5B	DENSE SODA ASH
C03J	DIETHYL SULFATE	CS7B	MOLTEN SULFUR
CO4N	ORTHO-CRESOL (SYNTHETIC)	CS8P	ZINC DUST (MEADOWBROOK)
CO5M	TERGITOL XD	CS9C	ZINC DUST (ROYCE)
COSL	ALFOL 20+ ALCOHOL	CS9W	ZINC DUST (NJ ZINC)
CP3A	POTASSIUM CARBONATE	CT5A	TRISODIUM PHOSPHATE
CP3D	45% POTASSIUM HYDROXIDE	CT5I	SODIUM TRIPOLYPHOSPHATE
CP3M	POTASSIUM PERSULFATE	CT5Z	HAMPENE 100
CS2A	SODIUM CHLORIDE (SALT)	ст6я	TETRAPOTASSIUM PYRO- PHOSPHATE
C\$2C	SODIUM SULFATE (ANHYDROUS)	CV3B	UREA
CV3D	DICYANDIAMIDE	CV3K	THIOUREA DIOXIDE
CM3P	SILICONE OIL EMULSION	CX2A	XYLENE (COMMER. GRADE)
CX2B	XYLENE (URETHANE GRADE)	MS3K	25% SODIUM CHLORITE
OB3B	ACRYLAN SBC	OM4A	MINERAL OIL
OP6R	PARAFFIN OIL	OR2G	OLEIC ACID

THE ABOVE LIST REPRESENTS ALL HAZARDOUS, AND POTENTIALLY
HAZARDOUS MATERIALS MADE BY, AND USED IN, THIS FACILITY.

THIS IS ONLY A LIST, AND DOES NOT PROVIDE SAFETY AND
HANDLING INFORMATION. PLEASE CONSULT YOUR MSDS FOR FULL
SAFETY AND HANDLING INFORMATION

CARLSTADT

cord#	PO		VENDOR	WASTE	REFERENCE	EXPIRATION	SITE
72	AB	204104	SCA	PHENOL CONTAMINATED RAINWATER	QC14869-N2	08/31/86	NEWARK, NJ
70	AB	204899	SCA	LIQUID AQUEOUS STILL BOTTOMS	975-N		NEWARK, NJ
71	AB	209958	PINTO SERV	L.S. SLURRY		01/31/87	BERGEN COUNTY LYND
202	AB	212402	AM. INDUS.	SULFUR & DIRT	WC-1414	04/30/87	WASTE CONVERSION,
203	AB	212402	AM. INDUS.	STILL BOTTOMS	WC 1400	04/30/87	WASTE CONVERSION,
204	AB	212402	AM. INDUS.	SULFONATED PHENOLIC FORMALDEHY	WC 1415	04/30/87	WASTE CONVERSION,

FINISHED PRODUCTS AND NUMBERED RAW MATERIALS

CODE	DESCRIPTION
1016B	(SUPERCLEAR 300N) blend of 6516P and Polyacrylamide
1029F	ProPoxylated butanol
1044A	liquid Polyurethane (50% solids)
1044E	urethane emulsion
1044F	urethane emulsion
1124	Polyethylene 9lycol (PEG) ester
1126B	PEG di-ester of oleic acid
1157R	blend of PEG 300 coco-ester and butyl stearate
1193B	acidic blend of Phenolic sulfone/sulfonated naPhthalene formaldehyde condensate
11930	meutralized 1193B
1267C	butyl-naPhthalene sulfonic acid, sodium salt
1267P	spray-dried 1287C
1267Y	(Purchased) dodecyl benzene sulfonic acid
12878/	B spray-dried 1287D
12870	SORBIT (butyl-maphthalene sulfonate)
1287D	xylene-sulfonate formaldehyde condensate, sodium salt
1287E	TANASOL PW (no-lime Lomar PW)
1287F	low-lime Lomar PW
1287H	BLANCOL N (spray-dried 1287F)
1287J	AQUAQUEST (Lomar PWC)
1287L	BLANCOL T (spray-dried 1287E)
1287M	low-salt Lomar PW
1287P	LOMAR LS (spray-dried 1287M)
12877	LOMAR PL ('special' no-lime Lomar PW)
13870	LOMAR HP (spray-dried 1387E
1387E	(Potassium salt Lomar D for 99Psum)

CODE	DESCRIPTION
1093C	cresylic sulfonic acid/sulfone formaldehyde condensate sodium salt
1387J	LOMAR D liquid (naphthalene sulfonic acid formaldehyde condensate, sodium salt
1387P	low-salt Lomar D (sodium salt for 99Psum)
1387R	sPray-dried 1387P
1393	sulfonated bisphenol A/sulfone formaldehyde condensate
1393A	(intermediate for 1393) Phenol sulfone
1393B	(intermediate for 1393) bisPhenol A sulfonate
13930	NOPCOTAN A65D (spray-dried 6393R)
1393F	Phenol sulfone, sodium salt
1393J	sulfonated Phenol/cresol formaldehyde condensate, sodium salt
1393K	blend of dicarboxylic acids and sulfonated Phenol
1393L	Poly Phenol/cresol sulfonate formaldehyde condensate, ammonium salt
1393M	sulfonated Phenolic-formaldehyde resin. Partial sodium salt
13937	Phenol sulfone formaldehyde condensate, sodium salt
1393W	cresylic sulfonic acid/sulfone formaldehyde condensate, sodium salt
1393%	sulfonated Phenol/cresol sulfone, bone 9lue/dextrin blend
1486A	ketone-formaldehyde resin
1486B	POLYMER B (spray-dried 1486A)
1487A	sli9htly acidic Lomar D liquid
1587K	Lomar PW liquid (sulfonated naPhthalene formaldehyde condensate
1587P	spray-dried 1587K (for Polysar and Reichold)
1587V	sPray-dried 1287J
1587W	LOMAR PWA (ammonia neutralized Lomar PW)
1587Y	sPray-dried 1587W
1687P	sPry-dried 1387J

CODE	DESCRIPTION										
1787D	sPray-dried 1287V										
1787J	ammonia neutralized Lomar D type (coal-water slurry dispersant)										
1787R	TANASOL PW SPECIAL (spray-dried 1787T)										
17878	Coal Water Slurry Dispersant A-23M (sulfonated naphthalene formaldehyde condensateLomar PW type)										
1787T	TANASOL PL (Lomar PW type)										
17877	(same as 1787S, but made from CH2O)										
1987F	ultra-high molecular weight Lomar D type										
1987H	sPray-dried 1987F										
1987J	medium-salt Lomar D type (coal-tar based)										
1687K	low-salt Lomar D type (coal-tar based)										
19870	sPray-dried 1687K										
2268E	Phenol sulfonic acid, sodium salt										
2620	cationic Polyamide-based surfactant										
6030	liquid sodium hydrosulfite (HYDRO)										
6030A	liquid sodium formaldehyde sulfoxylate (AWC)										
6031M	solid (Pea-sized) 6030A										
6031P	solid (rice-sized) 6030A										
6031R	solid (Powdered) 6030A										
6035	solid sodium hydrosulfite (Purchased)										
6067	SELLOGEN HR (isopropyl naphthalene sulfonate, sodium salt)										
6067A	sPray-dried 6067										
6087B	TANASOL NCO (acidic Lomar PW type)										
6133R	solid sodium formaldehyde sulfoxylate (Cathay Chemicals AWC)										
6187L	TANASOL CJ-227 (acidic Lomar PW type)										
6287	sPray-dried 6287M										
6287B	sPray-dried 6087B										

Lomar PW type (DuPont style)

6287M

CODE	DESCRIPTION
6293V	spray-dried 6393M
6393M	MONOTAN R (Lomar PW/ urea-formaldehyde condensate)
6393R	NOPCOTAN A65D (similar to 6393M)
6416	9um karaya solution (100N 9um)
6416B	9um karaya solution (200N 9um)
6516P	9um karaya solution (80N 9um)
8148	itaconic/acrylic copolymer in Phosphate solution
1675	same as 8148
8160	liquid Polyurethame
8238	synthetic detergent oil (spray-dry de-dusting oil)
9126A	SELLOGEN HR90 (low-salt (limed) 6067)
9146A	SORBIT (liquid butyl naphthalene sulfonate, sodium salt)
9151A	(same as 9146A, but with extra sodium sulfate added)
9268A	sPray-dried 9151A
9452A	TANASOL IR (acidic Lomar PW type)
9623	bland of fattu-amidae and fattu ester of Polyglycol

1.	Generator Name:	Diamond Shamro Chemicals Comp		EPA ID No.:	NJD002012219
	Site Address:	Berry Avenue @	Route 17 N.,	Carlstadt, N	N.J. 07072
2.	_Transporter Name	American Indus Marine Service		EPA ID No.:	NJD980773006
3.	TSD Facility Nam	ne:Waste Convers	ion	EPA ID No.:	PAD085690592
	TSD Address: 28	369 Sandstone Ro	ad, Hatfield,	Pa. 19440	•
	Waste A.) <u>Number</u> B.)	Waste Description C.	DOT Haz) Class D.	Total) Quantity 1	E.) <u>Units</u>
	X-722	Hazardous Waste, Liquid, N.O.S.	ORM-E	3,400	G

NOTE: For each combination of transporter and TSD facility, list the total quantity manifested for each waste type.

1.	Generator Name: Chemicals Co. EPA ID No.: NJD002012219
	Site Address: Berry Avenue @ Route 17 N., Carlstadt, N.J. 07072
2.	Transporter Name: SCA Chemical Services EPA ID No.: NJD089216790
3.	TSD Facility Name SCA Chemical Services EPA ID No.: NYD049836679
	TSD Address: 1550 Balmer Road, Model City, N.Y. 14107
	Waste Waste DOT Haz Total A.) Number B.) Description C.) Class D.) Quantity E.) Units
	B-003 Waste, P.C.B. ORM-E-T 29,552 P Liquid

1.	Generator Name: Diamond Shamrock Chemicals Co.	EPA ID No.: NJD002012219	_
	Site Address: Berry Avenue @ Route 17 N	N., Carlstadt, N.J. 07072	_
2.	Transporter Name: R & R Sanitation	EPA ID No.: NJD064265838	
3.	TSD Facility Name: SCA Chemical Service	es Co.EPA ID No.: NJD089216790	
	TSD Address: 100 Lister Avenue, Newark	c, N.J. 07105	_
	Waste Waste DOT Haz A.) Number B.) Description C.) Class		
	D-002 Hazardous ORME-19 Waste, Liquid, N.O.S.	5 5,000 G	

NOTE: For each combination of transporter and TSD facility, list the total quantity manifested for each waste type.

1.	Generator Name:	Diamond Shamrock Chemicals Co.	EPA ID No.:	NJD002012219
	Site Address:	Berry Avenue @ Route 1	7 N., Carlstadt, N	.J. 07072
2.	Transporter Name	: SCA Chemical Service	S CO. EPA ID No.:	NJD089216790
3.	TSD Facility Nam	ne: SCA Chemical Service	S CO. EPA ID No.:	NJD089216790
	TSD Address: 100	Lister Avenue, Newark,	N.J. 07105	
	Waste A.) Number B.)	Waste DOT Hard Description C.) Class		E.) <u>Units</u>
		Hazardous ORME-l Waste, Liquid, N.O.S.	.5 25,000	G .

NOTE: For each combination of transporter and TSD facility, list the total quantity manifested for each waste type.

CEKLILIED DWIT - VETOWA VECETLY VEXA



Fi: Caldade Water pols

Diamond Shamrock Chemicals Company

Process Chemicals Division

May 1, 1984

Administrator Water Quality Management N.J.P.D.E.S. Permit Administration Division of Water Resources CN 029 Trenton, New Jersey 08625

NJPDES Permit No. NJ 0002798

Gentlemen:

Enclosed are the discharge monitoring reports for the Diamond Shamrock Chemicals Company plant at Carlstadt, New Jersey. These reports cover the first quarter of 1984.

The reports enclosed are:

- 1. USEPA DMR EPA Form 3320-1
- 2. N.J. Discharge Monitoring Report Point Discharge 001
- 3. N.J. Discharge Monitoring Report Point Discharge 001A

DavidRpynes

Very truly yours,

J. E. Henry

Safety/Environmental

Control Engineer

JEH/g

pc: U.S.E.P.A. Region II

Mr. George Cascino, H.M.D.C.

Mr. E. H. Post, Water Quality Management

Mr. Gautom Patel, D.E.P. - OWR - WQM

PERMITTEE NAME/ADDRESS (Include Facility Name/Location II different)

SAFETY/ENVIRONM

CARESTADI

DIAMOND SHAMROCK CHEMICAL CORP

N 07072

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (17-19)

001

(2-16)

NJ0002798

840101-840331

OMB No. 2040-0004 Expired-2-29-84 M

12 A T

DISCHARGE NUMBER PERMIT NUMBER MONITORING PERIOD YEAR YEAR . TO

BERRYS CREEK COOLING WATER

FACILITY LOCATION CARLSTADT			FROM 3 4	li li		28-29) (30-31) NO	COOL TE: Read Instruc	ING WAT		eting this f	orm.
		(3 Card Only) QUA	(20-21) NTITY OR LOADING (54-61)	(22-23) (24-2 G	(4 Card Only) (38-45)	QUALITY OR CONC (46-53)			NO.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PARAMETER (32-37)	\times	AVERAGE	MAXIMUM	UNITS	мінімим	AVERAGE	MAXIMUM	UNITS	(62-63)		(69-70)
003 1 0	SAMPLE MEASUREMENT	81.0	136.9		8.4	9.1	13.0		0	1/30	24
600, 5-DAY (3005)	PÉRMIT REQUIREMENT	* * * * *	* * * * *	<g day<="" td=""><td>* * * * *</td><td>* * * * *</td><td>* * * *</td><td>* 46/L</td><td></td><td>1/30</td><td>24</td></g>	* * * * *	* * * * *	* * * *	* 46/L		1/30	24
STREAM INT	SAMPLE MEASUREMENT	171.8	284.5		10.0	21.3	27.0		0	1/30	·
20 D > 5 → DAY (7005)	PERMIT REQUIREMENT	* * * * *	* * * * *	KG/DAY	* * * * *	* * * * *	* * * *	MG/L		1/30	24
CO310 4	SAMPLE MEASUREMENT	92.3	147.5		1.6	12.2	21.0		0	1/30	24
BOD, 5-DAY (BOD5) EFFL NET	PERMIT REQUIREMENT	363.00	726.00	KG/DAY	* * * *	* * * * *	* * * *	MG/L ★		1730	24
00400 1 FH	SAMPLE MEASUREMENT	* * * * *	* * * * *	,	6.9	7.13	7.4	su	0	5/30	GR
EFFL GROSS	PERMIT REQUIREMENT	* * * * *	* * * * *		6.00	* * * * *	.9.0	908.68 T		1/30	S P
00530 B SOLIDS, SUSPENDED,	SAMPLE MEASUREMENT	288.0	348.7		27.0	36.3	42.0	46/L	0	1/30	24
TOTAL (TSS) STREAM INT	PERMIT.	* * * * *	* * * * *	KG/DAY	* * * * *	* * * * *	* * * *	*		1/30	24
00530 1 SOLIDS, SUSPENDED,	SAMPLE MEASUREMENT	220.6	484.7		10.0	23.3	46.0	MG/L	0	1/30	2.
TOTAL (TSS) EFFL GROSS	PERMIT REQUIREMENT	* * * * *	* * * * *	KG/DAY	* * * * *	* * * * *	* * * *	3308		1/30	24
00530 4 SOLIDS, SUSPENDED,	SAMPLE MEASUREMENT	66.7	200.2		0.0	6.33	19.0	MG/L	0	1/30	24
TOTAL (TSS)	PERMIT REQUIREMENT		605.00		* * * * .	* * * * * *	* * * *	33384		1/30	24 ATE
NAME/TITLE PRINCIPAL EXECUTIVE	AND	RTIFY UNDER PENALTY AM FAMILIAR WITH THE MY INQUIRY OF THOSE	INFORMATION SUBMIT	TELV DECDON	SIBLE FOR R. C	honoles, Plan	nt Mgr.	101-933-5		84	04 30
K. P. Mitchell, Vice	Pres. OBTA	NINING THE INFORMATIC RUE, ACCURATE AND C ANT PENALTIES FOR POSSIBILITY OF FINE A	OMPLETE I AM AWARE SUBMITTING FALSE IN NO IMPRISONMENT SEE	THAT THERE	INCLUDING	TURE OF PRINCIPA	L EXECUTIVE	1			
TYPED OR PRINTED	and 'c	or maximum enprisonment	of between 6 months and 8	years.)	OFF	ICER OR AUTHORIZ	_	CAR I	BER	YEAR	MO DAY
COMMENT AND EXPLANATION OF AN	Y VIOLATIONS (Reference all attachmen	nts here)				В 0779) 1			

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

FOR BOD, TSS & ZINC. O MEANS NO NET INCREASE WITHIN DETECTABLE LIMITS.

B 07791 SUBJECT TO PROTECTIVE ORDER

PERMI	TTEE NAME/ADDRESS (Include Name/Location if different)
MAME	SAFETY/ENVIRONM

CARLSTADT

ADDRESS DIAMOND SHAMROCK CHEMICAL CORP

N 07072

BERRY AVE-ROUTE 17

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (17-19)

LOUIN Whitenson	
OMB No. 2040-000)
Expires 2-29-34	
GP AT	-

(2-16)NJ0002798 PERMIT NUMBER

DISCHARGE NUMBER

001

840101-840331

MONITORING PERIOD YEAR MO YEAR MO DAY

BERRYS CPEEK COOLING WATER '

EAGILITY LOCATION CARLSTADT			FROM 3 4	b i b	1 70 3 4 0	3 3 1 N	COUL I TE: Read instruct	ואש טאָן. lions before	comp	leting this f	orm.
COCATION		1 (3 Card Only) OU	NTITY OR LOADIN	(22-23) (24- G	(4 Curd Only)	QUALITY OR CONC			NO.	PREQUENCY	SAMPLE
PARAMETER		(46-53)	(54-61)	UNITS	(38-45) MINIMUM	(46-53) AVERAGE	MAXIMUM	UNITS	EX (62-63)	ANALYSIS	(69-70)
(32-37)		AVERAGE	MAXIMUM	UNITE	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						24
01092 B	SAMPLE MEASUREMENT	1.32	2.25	,	0.070	0.162	0.214	ug/L	0	1/30	24
ZINC, TOTAL (AS ZN)	PERMIT REQUIREMENT	* * * * *	* * * * *	KG/DAY	* * * * *	* * * * *	* * * * *	SI		1/50	24
STREAM INT U1092 1	SAMPLE	2 27	5.17	<u> </u>	0.072	0.268	0.491		0	1/30	2
ZINC, TOTAL (AS ZN)	MEASUREMENT PERMIT			KG/,DAY	* * * * *	* * * * *	* * * * *	UG/L		1/30	24
EFFL GROSS 01092 4	REQUIREMENT SAMPLE	1 10	2.91		0,002	0.106	0.277		0	1/30	24
ZINC, TOTAL (AS ZN)	MEASUREMENT PERMIT			KG/DAY			* * * *	UG/L		1/30	24
50050 1	REQUIREMENT				2.3	2,66	2,9	*	0	20/30	GR
FLOW RATE (MILLION GALLONS/DY	MEASUREMENT	* * * * *	* * * * *				* * * * *	MGD		1/30	GP
EFFL GROSS	REQUIREMENT	* * * * *	* * * * *		* * * * *	* * * * *					
74025 1 TEMPERATURE, SUMMER	SAMPLE MEASUREMENT	* * * * *	* * * * *					DEG.C			1 2 2 2 3 2 3
EFFL GROSS	PERMIT REQUIREMENT	* * * * *	* * * * *		* * * * *	27.90	35.0	2023		1/30	GP
74026 1 TEMPERATURE, WINTER	SAMPLE MEASUREMEN	T * * * * *	* * * * *		3.2	5.2	6.3		0	20/30	G'
EFFL GROSS	PERMIT REQUIREMENT		****		* * * * *	15.00		DEG.C		1/30	6.8
EFFE GROUS	SAMPLE MEASUREMEN	т									
:	PERMIT REQUIREMENT	•									
NAME/TITLE PRINCIPAL EXECUTIVE		RTIFY UNDER PENALTY AM FAMILIAR WITH THE				horolle	2	TELEPHON	IE	P -	ATE
K. P. Mitchell, V.P.	ON OBT/ IS T NIFIC	MY INQUIRY OF THOSE AINING THE INFORMATION OF ACCURATE AND CONTROLLING FOR THE ACCURATE FOR THE ACCURATE OF TH	: INDIVIDIALS IMMEDIA DN. BELIEVE THE S COMPLETE. AM AWARE SUBMITTING FALSE IN NO IMPRISONMENT SE	TELY RESPON SUBMITTED IN THAT THERI MFORMATION.	FORMATION E ARE SIGNICLUDING INCLUDING	nonoles, Plt	Mgr. 20	1-933-5	222	84	04 30
TYPED OR PRINTED	33 U	ISC § 1319, /Penalties w or maximum imprisonment	nder these statutes may of between 6 months and 5			CER OR AUTHORIZ		EA NUM	BER	YEAR	MO DAY
COMMENT AND EXPLANATION OF AN	Y VIOLATIONS	(Reference all attachme	nts here)				B 0779	2			

FOR BOD, TSS & ZINC. O MEANS NO NET INCREASE WITHIN DETECTABLE LIMITS.

B 07792 SUBJECT TO PROTECTIVE ORDER

- DISCHARGE POINT 001 PERMIT No. NJ 0002798

DIAMOND SHAMROCK CHEMICALS COMPANY BERRY AVENUE AT ROUTE 17 CARLSTADT, NEW JERSEY 07072

REPORT FOR 1/1/84 - 3/31/84

	· · · · · · · · · · · · · · · · · · ·	JANUARY	FEBRUARY	MARCH	QUARTERLY
ITEM	TYPE/SAMPLE	IANOINI			
1. pH (Data-Avg. Outlet) S.U.	Grab	7.1	7.1	7.2	
2. Temp. (Data-Avg. Outlet) ^O C	Grab	3.2	6.0	6.3	
3. Flow (Data-Avg. Outlet) MGD	Grab	2.3	2.9	2.78	
4. T.S.S. (Net) mg/l	Composite	0.0	0.0	19.0	•
5. BOD (Net) mg/l	Composite	1.6	21.0	14.0	•
6. T.O.C. (Net) mg/l	Composite	0.0	19.0	27.6	15.5
7. Pet. Hydrocarbons (Net) mg/1	Composite	3.2	13.2	0.4	5.6
8. Color (Net) S.U.	Composite	0.0	0.0	0.0	
9. Turbidity (Net) JTU	Composite	0.0	0.0	6.0	
10. Zinc (Net) mg/l	Composite	0.002	0.04	0.277	
Items 1, 4, 5, 6. 7, 8, 9, 10 ar	nalyzed by: ant Derived data	н & Е	неЕ	нее	B 07793 SUBJECT TO PROTECTIVE ORDER
Items 1, 2, 3, Plant lem 1 - Avg. of plant data and H & E - Havens & Emerson, Saddl	contractors		. OG Ven	KA-	Data. 5/1/84

PERMIT NO. NJ 0002798

Discharge Point 001A

DIAMOND SHAMROCK CHEMICALS COMPANY BERRY AVENUE AT ROUTE 17 CARLSTADT, NEW JERSEY 07072

REPORT FOR 1/1/84 - 3/31/84

	TYPE/SAMPLE	JANUARY	FEBRUARY	MARCH
1. pH, S.U.	Grab	6.77	6.64	6.7
	Grab	4.0	6.0	. 6.0
2. Temperature ^O C	Grab	1.1	1.5	1.1
 Flow, MGD T.S.S. mg/l (net) 	Composite	, 0.00	0.00	5.0
5. BOD, mg/l (net)	Composite	24.6	12.0	0.0
6. TOC, mg/l (net)	Composite	14.5	3.0	0.0
7. Formaldehyde, mg/l	Grab	0.065	0.171	N.D. < 1.0 ppm
8. Triethanolamine, mg/l	Grab	*	*	N.D. <1.0 ppm
9. Xylene, mg/l	Grab	N.D. <.010	N.D. <.010	N.D. < 1.0 ppb
O. Cresol, mg/l	Grab	N.D. <.010	N.D. <.010	N.D. ∠2.0 ppb

Items 4, 5, 6 are net numbers

Items 1, 4, 5, 6, 7, 8, 9, 10 analyzed by

Items 2, 3 Plant Data

*Samples analyzed using several methods without results

H & E - Havens & Emerson, Saddle Brook, N.J.

U.S. Testing - United States Testing, Hoboken, N.J.

H & E

HE&

U.S. Testing

B 07794 SUBJECT TO PROTECTIVE ORDER

Report Submitted by:

Date: 5/1/84





State of Nem Bersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT 120 Rt. 166, Yardville, N.J. 08620

JACK STANTON IMB CIGHL

1 INC) F. 14 14 11A DIFFUTY DIRECTION

CERTIFIED MAIL RETURN RECEIPT REQUESTED MAY 17 1983

NOTICE OF VIOLATION AND OFFER OF SETTLEMENT

D.W.M. Case #83-02-11-001

Diamond Shamrock Corporation Corporation Trust 28 West State Street Trenton, NJ 08608

Gentlemen:

reactor

On February 10, 1983 as a result of an overpressurization of a vactor due to insufficient cooling at the Diamond Shamrock Corporation located at Berry Avenue, Route 17, Carlstadt, New Jersey, two pressure release disks ruptured allowing approximately 1,000 gallons of napthalene suffonic acid to be discharged onto the ground from which it flowed into Berry's Creek.

The incident summarized above was investigated by members of the Division of Waste Management, who determined that the following provisions of the Spill Compensation and Control Act and regulations promulgated thereunder were violated:

N.J.S.A. 58:10-23.11c

Discharging Hazardous Substances

N.J.S.A. 58:10-23.11e/

N.J.S.A. 58:10-23.11u

Failure to Immediately Notify the Department of the Discharge [see N.J.A.C. 7:1E-2.1(a)].

The above cited violations carry maximum statutory civil penalties of \$25,000 per day for each violation.

In accordance with the recommendations of the Department of Environmental Protection, and pursuant to the authority vested in me as Administrator of the New Jersey Spill Compensation and Control Fund by N.J.S.A. 58:10-23.11q, I am amenable to compromise and settle these claims for penalties for the sum of \$780.00.

Should you decide to settle this matter, payment must be made within fifteen (15) days of your receipt of this letter. Payment must be sent to the Administrator, New Jersey Spill Compensation Fund, Department of Treasury, 135 West Hanover Street, Trenton, New Jersey 08625. Only checks or money orders drawn to the order of "New Jersey Spill Compensation and Control Fund" will be accepted. Your cancelled check or money order will serve as your receipt.

Should you decide not to accept this settlement offer or fail to forward payment within 15 days of receipt of this letter, this offer is rescinded, and this matter will be referred to the Office of the Attorney General with instructions to initiate a legal action for the maximum allowable penalty.

Acceptance of this settlement offer will satisfy your liability for civil penalties in connection with the above cited violations but will not relieve you of any other responsibility or obligation under the law, including the responsibility to pay for any damages which may have been caused by the discharge.

If you wish to make any inquiries or discuss this settlement offer, you may contact David Shotwell, Chief, Bureau of Compliance and Enforcement, Division of Waste Management at 120 Route 156, Yardville, N.J. 08620 or at (609) 292-5560.

Very truly yours,

Administrator,

New Jersey Spill Compensation and Control Fund

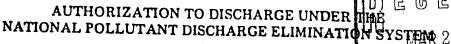
Recommendation approved by:

Joseph A. Rogalski Assistant Director

Division of Waste Management

Department of Environmental Protection

kas



INTERNATIONAL TECHNOLOGY UNIT

In compliance with the provisions of the Federal Water Pollution Control Act, as a mended, (33 U.S.C. 1251 et. seq; the "Act"),

Diamond Shamrock Corporation

is authorized to discharge from a facility located at

Berry Avenue at Route 17 Carlstadt, Bergen County, New Jersey

to receiving waters named

Berry's Creek

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I, II, and III hereof.

This permit shall become effective on June 30, 1974.

This permit and the authorization to discharge shall expire at midnight, June 30, 1979.

Signed this 315 day of May 1974

By authority of _

Gerald M. Hansler, P.E.

(Regional Administrator)

Richard A. Flye, Chief Water Enforcement Branch Enforcement and Regional Counsel Division

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning June 30, 1974 and lasting through the permittee is authorized to discharge from outfall serial number 001.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	net kg/day (Discharge Limitations net kg/day (lbs/day) Other Unit		its (Specify) Monitori		equirements
	Daily Avg	Daily Max	Daily Avg	Daily Max	Measurement Frequency	Sample Type
Flow-m ³ /Day (MGD)	. 		-	-	1/month	grab
Temperature °C(°F) Winter Summer	• •		15(59) 27(81)	·24(75) 35(95)	l/month l/month	grab
BOD ₅	500(1100)	•	y		1/month	24 hr. composit
Total Suspended Solids	191(420)	•••			l/month	24 hr. com
Zinc-Total					1/month	24 hr. composit

The pH shall not be less than 6.0 standard units nor greater than 10.5 standard units and shall be monitored once per month. The sample type for this parameter shall be grab.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location: :

At outfall serial number 001.

A. 2. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning July 1, 1975 and lasting through June 30, 1979, the permittee is authorized to discharge from outfall(s) serial number(s) 001.

Such discharges shall be limited and monitored by the permittee as specified below:

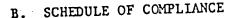
	Discharge Limitations - Net				Monitoring Requirements		
Effluent Characteristic	kg/day(1bs/day)		Other Units(Specify)		Measurement	Sample	
	Daily Avg	Daily Max	Daily Avg	Daily Max	Frequency	Type	
Flow-m ³ /Day (MGD)					Continuous		
Temperature, °C(°F) winter summer BOD5 Total Suspended Solids Zinc - Total	363 (800) 303 (667) 6 (13.3)	726 (1600) 605 (1334) 12 (26.7)	15 (59) 27 (81) 	24 (75) 35 (95) 	Monthly Monthly Monthly Monthly Monthly	grab grab 24 hr. ∝ 24 hr. ∝ 24 hr. ∝	

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored monthly. The sample type for this parameter shall be grab.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): At outfall serial number 001.

NOTE: 1 ages 3\$ 4 of original permit were amended



1. The permittee shall achieve compliance with the effluent limitations specified in Condition A.2. for discharges in accordance with the following schedule:

Report progress of construction of pretreatment system and tie-in to municipal treatment plant - 6 months from EDP.

The permittee shall cease all discharges, except non-contact and contact cooling waters, to the navigable waters of the United States, and shall achieve compliance with the effluent limitations specified in Condition A.2. by July 1, 1975.

NOTE: Pages 3 & 4 of the original permit were amended on July 9, 1976 to these conditions.

2. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

All reports, plans and/or specifications that propose new or modified waste treatment and/or disposal facilities must be approvable, and signed and sealed by a professional engineer licensed to practice in the State in which the facilities are to be built.

3. The United States Army Corps of Engineers conducts maintenance dredging of navigable waters and their tributaries pursuant to certain federal statutes. The permittee should be aware of its possible responsibilities under the maintenance dredging program. Under these laws, any person, firm or other entity discharging suspended solids into a navigable waterway of the United States, or tributary thereof, which contribute to the necessity for maintenance dredging of that waterway may be required to participate in the maintenance dredging program.

Page 5 of 10 Permit No. NJ0002798

C. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

2. Reporting

Monitoring results obtained during the previous 3 months shall be summarized for each month/ and reported on a Discharge Monitoring Report Form (EPA No. 3320-1), postmarked no later than the 28th day of the month following the completed reporting period. The first report is due on October 28, 1974 Duplicate signed copies of these, and all other reports required herein, shall be submitted to the Regional Administrator and the State at the following addresses:

Gerald M. Hansler, P.E.
Regional Administrator, Region II
U.S. Environmental Protection Agency
26 Federal Plaza
New York, New York 10007
ATTN: Permits Administration
Branch

Director
Division of Water Resources
New Jersey Department of Environmental
Protection
Labor and Industry Building
P.O. Box 1390
Trenton, New Jersey 08625

3. Definitions

- a. The "daily average" discharge means the total discharge by weight during a calendar month divided by the number of days in the month that the production or commercial facility was operating. Where less than daily sampling is required by this permit, the daily average discharge shall be determined by the summation of all the measured daily discharges by weight divided by the number of days during the calendar month when the measurements were made.
- b. The "daily maximum" discharge means the total discharge by weight during any calendar day.

4. Test Procedures

Test procedures for the analysis of pollutants shall conform to regulations published pursuant to Section 304(g) of the Act, under which such procedures may be required.

5. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- a. The exact place, date, and time of sampling:
- h. The dates the analyses were performed:
- c. The person(s) who performed the analyses;

Page 6 of 10 Permit No. NJ00027'^[]

- d. The analytical techniques or methods used; and
- e. The results of all required analyses.

6. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein m^{ij} frequently than required by this permit, using approved analytical methods as specificabove, the results of such monitoring shall be included in the calculation and reporting the values required in the Discharge Monitoring Report Form (EPA No. 3320-1). See increased frequency shall also be indicated.

7. Records Retention

All records and information resulting from the monitoring activities required by the permit including all records of analyses performed and calibration and maintenance instrumentation and recordings from continuous monitoring instrumentation shall retained for a minimum of three (3) years, or longer if requested by the Regio Administrator or the State water pollution control agency.

Page 7 of 10 Permit No. NJ0002798

A. MANAGEMENT REQUIREMENTS

1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharges of pollutants must be reported by submission of a new NPDES application or, if such changes will not violate the effluent limitations specified in this permit, by notice to the permit issuing authority of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited.

2. Noncompliance Notification

If, for any reason, the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall provide the Regional Administrator and the State with the following information, in writing, within five (5) days of becoming aware of such condition:

- a. A description of the discharge and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.

3. Facilities Operation

The permittee shall at all times maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

4. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to navigable waters resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

5. Bypassing

Any diversion from or hypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit. The permittee shall promptly notify the Regional Administrator and the State in writing of each such diversion or bypass.

Page 8 of 10 Permit No. NJ0002798

6. Removed Substances

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutant from such materials from entering navigable waters.

7. Power Failures

In order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

a. In accordance with the Schedule of Compliance contained in Part I, provide an alternative power source sufficient to operate the wastewater control facilities;

or, if such alternative power source is not in existence, and no date for its implementation appears in Part I,

b. Halt, reduce or otherwise control production and/or all discharges upon the reduction, loss, or failure of the primary source of power to the wastewater control facilities.

B. RESPONSIBILITIES

1. Right of Entry

The permittee shall allow the head of the State water pollution control agency, the Regional Administrator, and/or their authorized representatives, upon the presentation of credentials:

- a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and
- b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any discharge of pollutants.

2. Transfer of Ownership or Control

In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Regional Administrator and the State water pollution control agency.

3. Availability of Reports

Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms of this permit shall be available for public

Page 9 of 10 Permit No. NJ0002798

inspection at the offices of the State water pollution control agency and the Regional Administrator. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

4. Permit Modification

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

- a. Violation of any terms or conditions of this permit;
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

5. Toxic Pollutants

Notwithstanding Part II, B-4 above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee so notified.

6. Civil and Criminal Liability

Except as provided in permit conditions on "Bypassing" (Part II, A-5) and "Power Failures" (Part II, A-7), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

7. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Act.

8. State Laws

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Act.

Page 10 of 10 Permit No. NJ0002798

9. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

10. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

PART III

OTHER REQUIREMENTS

- 1. <u>Net</u> the poundage contained in the discharge, less the poundage contained in the surface water body intake source over the same period of time.
- 1. The intake source must be the same water body that is being discharged to.
- 2. In cases where the surface water body intake source is pretreated for the removal of pollutants, the intake poundage to be used in calculating the net, is that poundage contained after the pretreatment steps.
- 2. <u>Composite</u> a combination of individual (or continuously taken) samples obtained at regular intervals over the entire discharge day. The volume of each sample shall be proportional to the discharge flow rate. For a continuous discharge, a minimum of 24 individual grab samples (at hourly intervals) shall be collected and combined to constitute a 24-hour composite sample. For intermittent discharges of 4-8 hours duration, grab samples shall be taken at a minimum of 30 minute intervals. For intermittent discharges of less than 4 hours duration grab samples shall be taken at a minimum of 15 minute intervals.
- 3. <u>Gross</u> the poundage contained in the discharge. (Gross applies when the intake source is a municipal or private water supply, ground water, or a surface water body other than the one being discharged to.)
- 4. Grab An individual sample collected in less than 15 minutes.

NPDES PERMIT PROGRAM

The Federal Water Pollution Control Act (FWPCA), also known as "Public Law 92-500" or simply "The Act," was enacted by Congress in 1972. The objectives of this Act was a comprehensive effort to restore and maintain the integrity of the Nation's waters.

An essential part of this Act was the establishment of a new National Permit System called the "National Pollutant Discharge Elimination System (NPDES). Under this system a NPDES permit must be obtained to discharge any pollutants into the Nation's waters. Any discharger who had not received a permit or submitted an application under the old Refuse Act Permit Program administered by the U.S. Army Corps of Engineers, was required to do so by April 16, 1973.

Although the States retain primary responsibility for water pollution control, they must now do so within the framework of the Federal Water Pollution Control Act. The Federal EPA is authorized to both issue and enforce permits however the EPA is required to turn over permit - issuing authority to a State if the State so requests and if its program meets the Federal requirements. As of this writing, the State of New Jersey has not assumed the NPDES permit program. Before a NPDES permit can be issued by the EPA, however, the State in which the discharge originates, must certify that the discharge will comply with the Act and any effluent limitations or other requirements of State law.

The NPDES permit is a legal document. Discharging without a permit or violating permit conditions may result in fines of up to \$10,000 a day. Willful or negligent violations could be fined up to \$25,000 a day and imprisonment for one year for the first offense and up to \$50,000 a day and imprisonment for two years for subsequent violations.

IMPORTANT PARTS OF NPDES PERMIT

- 1) Plant Changes If plant changes are planned which would affect the wastewater discharged, it may be necessary to notify or reapply for a new permit as follows:
 - A plant change which does not change the discharge requires no action.
 - A plant change which changes the discharge but does not exceed the Permit effluent limitations requires that the permit issuing authority be notified.
 - A plant change which changes the discharge and the Permit effluent limitations are exceeded requires that a new Permit Application be submitted.
- 2) Self Monitoring Reports Effluent monitoring reports must be completed each month and submitted quarterly to the State and EPA. All monitoring requirements including sampling and analyses should be completed by plant personnel with the assistance of the Regional Environmental Control Office. All monitoring data should be submitted to the Regional Environmental Control Office each month. The required Self Monitoring Reports will be prepared and submitted by the Regional Environmental Control Office.
- NOTE: If, for any reason, the plant does not comply with any <u>daily maximum</u> effluent limitation specified in the permit, the Regional Administrator and the State must be notified in writing within 5 days of becoming aware of such conditions.

The Regional Environmental Control Office shall make the required notification to the agencies. It is, therefore, very important that plant personnel <u>immediately</u> notify the Regional Office of any noncompliance.

3) All records and information resulting from monitoring activities, analyses performed and calibration of monitoring instrumentation must be retained for a minimum of 3 years. These records should be available for inspection by authorized local, State and Federal officials.

נבט זטג בבן

Cómieny Name:	Diamond Shamrock Corporation	
illision/Subsi	Diamond Shamrock Corporation Liary Process Chem Division	
Facility Name:	Carlstadt Plant	
Site Name:	Diamond Shamrock Corporation	

9. Components (or characteristics) of process waste from this facility disposed at site: (l=present in waste; 2=not present in waste; 9=don't know)

FILL IN EVERY BLOCK SPACE

FILL IN EVERY BLOCK SPACE
Acid solutions, with pH<3[2] (10)
Acid solutions, with pH<3[2] (11) pickling liquor
pickling liquor $[2]$ (12)
metal plating waste
circuit etchings
inorganic acid manufacture
Base solutions, with ph-12 (17) caustic soda manufacture (18)
nylon and similar polymer generation
scribber residual (honded organically & inorganically) [1] (20)
Heavy metals & trace metals (bonded organically & morganically (21) arsenic, selenium, antimony
arsenic, selenium, antimony
mercury
zinc, cadmium, copper, chromium (trivatent)
chromium (hexavalent)
lead
Radioactive residues, >50 pico curies/gram uranium residuals & residuals for UF6 recycling
uranium residuals & residuals for UF6 recycling
lathanide series elements and rare earth salts
phosphate slag
thorium
radium 2 (33) other alpha, beta & gamma emitters 1 (34)
other alpha, beta & gamma emitters
Organics21 (35) insecticides & intermediates
insecticides & intermediates
herbicides & intermediates
fungicides & intermediates
rodenticides & intermediates
halogenated aliphatics 2] (40) halogenated arcmatics 2] (41)
halogenated arcmatics
acrylates & latex emulsions
PCB/PBB's
amides, amines, imides
plastizers
resins
elastomers
solvents polar (except water) carbontetrachloride 2 (48)
carbontetrachloride
trichloroethylene
solvents halogenated aliphatic
solvents halogenated aromatic
oils and oil sludges
esters and ethers
alcohols
ketones & aldehydes
dioxins
Inorganics
salts
mercaptans
Misc
pharmaceutical wastes
paints & pigments
catalysts (eg. vanadium, platinum, palladium) 2 (65) ashestos 2 (66)
ashestos
shock sensitive wastes (eg. nitrated toluches) air water reactive wastes (eg. P., aluminum chloride)
thetae with tlash maint below 100° F
Mastes with transfer beautiful and the master and t

305	L	DISPOSAL	SITE	INFORMATION

APR 3 0 1070

_ •	n n n n n n n n n n n n n n n n n n n	amond Shamrock	Corporation	1	Division/Subsid	liar:	Process (Chem Di	Lv.
وتتن	any Name: DI	among Shamlock	GOZPOZGO						
aci	lity Name: U	arlstadt Plant	Corn			_			
ame	of Site: Di	amond Shamrock Berry Ave. at	Route 17						
aar	ess or arte.	no.	street		•	_			
	•	110.					. •		
		<u>Carlstadt</u>	N∈	w Jersey	07072	_			•
		city		state	zip code		•		
			C 11 1 1 ma) a	Diamond	Shamrock Corpora	tion			
izme	of Owner (wi	hile used by	facility): _		Shamrock Corpora		•		
lddr	ess: Same	as above	street			_		•	
		no.	361606				•		
						-			
		city		state	zip code				
<u></u>	cont Owner (i	f different f	rom above):						
	ress:		_					•	
		no.	street				•		
		•							
		city		state	zip code	_			
		CILY			_		i		
						es air	ا (ه.	11(10	1
1.	Location (1=	the property	on which f	acility i	is located; 2= of	F 201	.6) (٠.٠٠ ا	,
2.	Ownership at	time of use	(1= company	ownersh	ip; 2=private but	LINCE	1	1 1 (11	.)
	company owne	rship) 3=publ	ic ownershi	D, 3-0011	lades to be because			1 (12	.)
3.	Current stat	us (l= closed	1; Z= ST111	ш ше,			1917	0 (13	5-14)
_								I (15	-16)
4.	Year first t	ised for proces	es waste fro	m this fa	acility (enter "	79" i:	£	0 - (3 5	
5.								[n] (T)	-19
6	Total amount	of process w	racta trom T	his faci	lity disposed at	site	•	[] (19	
5.	HISE TONS ON	LY IF POSSIBL	E: thousa	nd gallo	ns				,-20, ,-33
	Right justi	fy response	himdro	d tons.		\cdot 1.1	1 1 315	10 1 (34	1-41
			+1	ad othic	Vards		1 1 1 3	<u>ا</u> (۲۰	
7.	Specify type	e(s) of dispos	sal method(s	used a	t site and wheth	ever i	used:		
-	is still in	use (1=curren	ntly in use;	∠=no 10	nger in use; 5=n		,		
	9=don't know	w) ·			industrial wast			[2] (42	2)
1			landii	11, mire	d industrial was	te		121 (43	3)
			915;	:31 d-m	med waste			131 (44	4)
			landfi	11. mmi	cipal refuse co-	arzbo	sed	131 (4:	5)
	•		nite/r	vonds/lag	oons		• • • • • • •	2 (40	3) 7)
•			deen v	ell inie	ction		•••••	3 (4)	/ <i>)</i>
			land t	Farrino .				[3] (48	ום ום
			incine	eration .				[3] (4)	U) ∃ J
		•	treat	ment (eg.	neutralizing)	••••	• • • • • •	(5) (2) (5)	1)
		•	repro	cessing/r	ecycling	• • • • •	••••	3 (5	2)
	•		other	(specify	faciling ma of	AT CO		ري ک	-,
8.	Users of th	is site (l=th	is facility	; Z=TN1S	facility and oth			山 (5	3)
-	facilities	only; 3=this	company, and	others,	9=don't know)			.	-
	T	117 10005555	S OF OTHER	NOW USE	RS BELOW		•		

FIXAL

APR 3 0 1979

FORM A: GENERAL FACILITY INFORMATION

Company Name: Diamond Shamrock Corporation Survey
Division/Subsidiary Process Chemical
Facility Name: Carlstadt Planty
Address: Berry Avenue at Route 17
No. Street
Carlstadt New Jersey 07072
Zin Code
orch.
Name of Person Completing Form: Gerald A. Kunze, Jr.
Position: Process Engineer
Phone Number: (201) 933-5222 (Ext. 215)
19 [2]1 (10-11)
Year Eacility Opened
CTC Code
 Primary SIC Code: Primary SIC Code:<
USE ONLY TONS IF POSSIBLE - right justify response thousand gallons
hundred tons
thousand cubic yards
4. Estimate (in whole percents) how these process wastes generated in 1978 were disposed of:
in landfill
in pit/pond/lagoon
in deep well
incinerated
reprocessed/recycled
reprocessed/recycled
evaporated
unknown
other (Specify Neutralized)(63-65)
5. What is the total number of known sites (including disposal on the property where this facility is located as one site) that have been used for the disposal of process wastes from this facility since
1950?
COMPLETE ONE FORM "B" FOR EACH OF THE SITES
6. Have any of the process wastes generated at this facility been hauled (removed) from this facility for disposal? (Yes=1; no=2) [1] (59)
IF YES, COMPLETE FORM "C"
7. Do you know the disposal site locations of all of the process waste hauled from your facility since 1950? (Yes=1; no=2)
IF NO, COMPLETE ONE FORM "D" FOR EACH FIRM OR CONTRACTOR WHO TOOK WASTE TO AN UNKNOWN LOCATION
8. Specify the earliest year represented by information from semmany or facility records supplied on this and other forms
9. Specify the earliest year represented by information from employee knowledge supplied on this and other forms

800 0 0 1979.

Com	amy Name: _	Diamond Shamrod	k Corporation	Division (Sinsi	diary	Process Chem Di	v.
	1 ity Name:	Carlstadt Plant			<u>.</u> .		
	of Site:	Chemical Contro	ol Corp.		_	:	
Addr	ess of Site:		ith Front St.		·		
		no.	street	•			
	•	•	Non-Tompon				
		Elizabeth	New Jersey state				•
	•	city	State	rrp con-	•		
		1 12 march has for	acility): Chemica	1 Control Corpora	ion		
Name	of Owner (23	South Front Street				
Addi	ess:		street		-		
		no.	361006				
		Elizabeth	New Jersey	7			
•		city	state	zip code			
_		•	om above):				
		II WILLELENC II	CM above, I			•	
Addi	ress:	no.	street			•	
		no.					
				zip code		•	
		city	state	Zip cod			
5.6.	Year first Year last to Still in us Total amoun USE TONS Of Right just	TE CLOSED, special spe	iste from this faction thousand gall	facility facility (enter " ility disposed at ons c yards at site and wheth	79" if site:	19 7 6 (15- 19 7 8 (17- 19 7 8 (17- (19- (19- (34- (34- (80 Tons)	16) 18) 26) 33) 41)
	9=don't know	לאים					
•			landfill, mix landfill, dru landfill, mux	no industrial wast med industrial was med waste nicipal refuse co- ngoons	dispos	9 (43) 9 (44) sed 3 (45) 3 (46)	٠.
•			deep well in	ection	••••	131 (48)	
			land farming			11 (49)	
	•		incineration			9 (50)	
		•		g. neutralizing). /recycling)
	•		reprocessing	hr)		191 (52)	į
		• •	c facility ?=thi	s facility and other	er co	pany	
8.	Users of t facilities	nis site (I=thi only; 3=this c	other (species facility; 2=this ompany and others	; 9=don't know) .	• • • • •	3 ₃ (53)	١
						÷	
	LIST NAME	S ANI ADDRESSES	OF OTHER KNOWN U				

APR 3 C 1979

Diamond Shamrock Corporation

Commune Name: Diamond Shamrock Corpora

Carlstadt Plant Facility Name:

Chemical Control Corporation Site Name:

9. Components (or characteristics) of process waste from this facility disposed at site: (1=present in waste; 2=not present in waste; 9=don't know)

FILL IN EVERY BLOCK SPACE

FILL IN EVERY HIOCK SPACE	
•••	111 (10)
Acid solutions, with pH<3	[1] (10) $[2] (11)$
· - 1 · 1 · · 1 ·	
• • • • • • • • • • • • • • • • • • •	
· · · · · · · · · · · · · · · · · · ·	
a	700
and the second second control of the second	rranically 6 indigantearty)
neavy metals of trace metals (button)	$\frac{ 2 }{ 2 }(21)$
mercury	(2) (23)
	PP1779 GT T
• • • • • • • • • • • • • • • • • • • •	
	/~~~~~
- : : : - : - : : : : : :	P 1187 TRCVC11110
phosphate slag	[2] (30) [2] (31) [2] (32)
thorium	$12_1(32)$
radium	2 (33)
other alpha, beta & gamma emitte	13 (34)
Organics	[2] (33) [1] (34) [2] (35) [2] (36)
insecticides & intermediates	121 (36)
	$\frac{2}{2}$ (36)
fungicides & intermediates	[2] (37) [2] (38) [2] (39)
amides, amines, imides	1 (43) 2 (44) 11 (45)
plastizers	11 (45)
- I - I - Coveont Lateri	
other solvents nonpolar	[] (50) 2 (51)
. 1 -1	
solvents halogenated aromatic	(52)
dioxins	[2] (57) [1] (58)
Misc.	(61)
asbestos	(00)
shock sensitive wastes (eg. nit)	ated toluenes)
wastes with flash point below 10	00° F
HORACO HOME TOTAL PARTY	

~ ~~~~	nny Name Dia	mond Shamroc	k Corporation	Di	<u>yisica/Subsidi</u> ar	. Process Ch	em Div.
Facil	lity Name:	Carlstadt	Plant				
iame	of Site:	Kearny Mun	icipal Landfill				
Addre	ess of Site:						
wu.	000 01 0100	no.	street		•		
	•	•••					
	•	Kearny	New Jerse	<u>y</u>	zip code		•
		city	Sta	te .	zip com		
			. fanilisme).		Comteamy Landfill	Authority	•
		hile used by	facility):Mun	icipal :	Sanitary Landilli	Additional	
Addr	ess:		Harrison Avenue				
		no.	201000				
	,	Kearny	New Jersey	7	07032		•
		city	sta	ite	zip code		
	- 41	•	from above):				
		i different	from above):				
Addr	ess:		street				
		no.	201660				
		city	sta	ate	zip code		•
		•					
						ita) 12	1 (10)
7.	Location (1=	the proper	ty on which facili	1ty 15 1	Ocated; 2- Ull-3	+	, (20)
2.	Ownership at	time of us	e (1= company owns	ersnip;	Z=private but no	13	1(11)
							$\frac{1}{1}(12)$
3.	Current stat	us (l= clos	ed; 2= still in us	se; 9=ac	m't knowj	191	(13-14)
	I	CLOSED, sp	ed; 2= still in di ecify year closed	hic faci	1ity	19,712	(15-16)
4.	Year first u	ised for pro	cess waste from the	nıs lacı ic facil	iry (enter "79"	if	•
5.	Year last us	sed for proc	ess waste from the	15 Tacii	.10) (0001	19 7 9	(17-18)
	still in use	:)	waste from this	facility	disposed at sit	:e:	
6.	Total amount	t of process	waste from unis a	allons			J (19-26)
	USE TONS ON	LY IF POSSI	himdred to	75		1 1 1 1013	$\int (27-33)$
•	Right justi		thousand of	uhic vai	rds l	1 1 1 1 1 1 1	[(34-41
_		.(a) as disc	socal mathod(s) 115	ed at si	ite and whether h	ile tilloa	
7.	Specify type	e(s) or arsp	cently in use; 2=n	o longe	r in use: 5=never	rused;	
	is still in	use (1=curi					4
	9=don't know	w)	landfill.	meno inc	dustrial waste		(42)
			landfill.	mixed i	ndustrial waste		(43)
			landfill :	drammed.	waste		(44)
			landfill.	mmicip	al refuse co-disp	osea 19	(45)
	•		nits/nonds	:/1agoons	5		[] (46)
			deen well	injection	on	[3	(47)
·		•	· land farmi	ng		• • • • • • • • • • •	(48)
			incinarati	OB			(49)
		•	treatment	(eg ne	utralizing)	[3	\mathbf{I} (50)
			reprocessi	ng/recv	cling		
			· ather (me	acifv)		• • • • • •	(52)
_	Wasses of ob	ic cita (1=	Lia facility ?=t	his fac	ility and other	cempany	. (=7)
8.	facilities	only: 3=thi	s company and other	ers; 0=d	on't know)		」(53)
	TITET VIVES	AND ADDRES	SES OF OTHER KNOWN	USERS	BELOW		•

	a same	· A DD ·	ว ก เดาส		(20 30) 63	.
Cim	ENV Name: Diamond Shamrock Corporation	RFR	3 C. 1979 -	' <u> </u>	·	
	inv Name: <u>Diamond Shamrock Corporation</u> Sich/Subsidial? <u>Process Chem Div.</u>					
Faci	lity Name: Carlstadt Plant		-		·	· *.
Cita	Name: Kearny Municipal Landfill		•			
2116	Realty Milesper Lemons	· · · · · · · · · · · · · · · · · · ·	-			
	a la		to fro	m this f	acility	•
9.	Components (or characteristics) of procdisposed at site: (1=present in waste;	ess was 2=not t	oresent	in wast	e;	
	9=don't know)	2 ,				
	•					
•	FILL IN EVERY BLOCK SPACE					_
	Acid solutions, with pH<3			••••		(10)
	pickling liquor		:' • • • • • • •	• • • • • • •		$\frac{2}{12}$ (11)
•	circuit etchilgs	• • • • • •				. 121 (14)
	in acid monufacture					• • [~] (~~)
						1
	and monitority					•• [
	nylon and similar polymer generation scrubber residual					•• 1 21 (**)
	motale (bonded or	ganica i	IV : 6 II	101 Sautre	. <u></u>	•• [2] (==)
. •						
	the state of the s					•• 1 - 1 ()
	iron, manganese, magnesium (t	 rivalen	+)			[2] (24)
	• • • • • • • • • • • • • • • • • • • •					•• - ()
				 .		• • • • • • • •
	Radioactive residues, >50pico curies/gruranium residuals & residuals for	LIBS TEC	C 1 1 1 1 0			
	thorium	• • • • • •	• • • • • •	• • • • • • • •		. (2) (32)
	other alpha, beta & gamma emitters Organics insecticides & intermediates	• • • • • •	• • • • • •	• • • • • • •		$\frac{1}{2}$ (34)
	insecticides & intermediates		• • • • • •	• • • • • • •	• • • • • • • • • •	$\frac{2}{2}(35)$
•	herbicides q intermediates					$1.1^{2}(37)$
	fungicides & intermediates rodenticides & intermediates			•••••	•••••	(38)
	rodenticides & intermediates halogenated aliphatics	•••••		• • • • • •	• • • • • • • • • •	$\frac{2}{12}$
	halogenated aliphatics	• • • • • •	• • • • • •	• • • • • •	• • • • • • • • • •	121 (41)
	acrylates & latex emissions	• • • • • •	• • • • • •			$\frac{121}{2}$ (42)
	amides, amines, imides plastizers	• • • • • •	• • • • • •	• • • • • • •	• • • • • • • • • •	11 (45)
	resins	• • • • • • •	• • • • • • •	•••••		21 (46)
•	elastomers			•••••	•••••	2 (47)
	carbontetrachloridetrichloroethylene	• • • • • •	• • • • • •	• • • • • • •		2 (50)
	other solvents nonpolar	• • • • • •	• • • • • •	• • • • • • •		21 (51)
	solvents halogenated aliphatic solvents halogenated aromatic		• • • • • •	• • • • • • •	• • • • • • • • •	$\frac{2}{52}$ (52)
	solvents halogenated aromatic oils and oil sludges		• • • • • •	• • • • • • •	• • • • • • • • • •	121 (54)
	esters and ethers	• • • • • •		. • • • • • • • • • • • • • • • • • • •		$\frac{7}{2}$ (55)
	alcohols	• • • • • • •	• • • • • • • •			$\frac{12}{1}$ (56)
	ketones & aldehydesdioxins				•••••	[2] (37)
	Inorganics	• • • • • • •	••••			11 (59)
	salts	• • • • • • •	••••			$\frac{12}{60}$
	mercaptans	•••••	•••••			$[2]$ (61)
	Miscpharmaceutical wastes		• • • • •	• • • • • • •		1 21 (63)
	paints & pigments	• • • • • • • • •		••••	·	121(64)
	catalysts (eg. vanadium, platinum asbestosshock sensitive wastes (eg. nitra	, parra				\cdots $\boxed{2}$ (65)
	shock sensitive wastes (eg. nitra	ted tol	uenes)			2 56
	air water reactive wastes (eg. P:	, aluni	nun chi	loride)		121 (68)
	shock sensitive wastes (eg. nitra air water reactive wastes (eg. P: wastes with flash point below 100	۲	•••••	• • • • • • •		

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~ Omn:	any Name: _	Diamond Shamr	ock Corporati	ion	Division/Subsidi	iary Process C	nem Div.
	lity Name:	Carlstadt Pla	nt			•	•
Vame	of Site:	Kin-Buc Landf	111			•	
Addr	ess of Site	•					
	_	no.	street		•		
		Edison	New Jo	ersey		-	
		city		state	zip code		
				Conne Envel	ronmental Service	es Co. (One of	several)
Name	of Owner (while used by	facility):	Gaess Envi	ronmental Service		·
Addr	ess:		street				
		no.	361666				
	Sco	tch Plains	New	Jersey	07076	-	
		city		state	zip code		•
Cum	rent Omer ((if different	from above):			-	
Addi	ress:	`			<u> </u>	-	•
		no.	street				
						-	•
		city		state	zip code		•
		·					
 3. 4. 5. 6. 	Ownership of Company own Current st. Year first Year last still in u Total amou USE TONS (Right just)	at time of use nership) 3=pul atus (1= close IF CLOSED, sp used for pro- used for pro- se) nt of process DNLY IF POSSIF tify response pe(s) of disp n use (1=curr	blic ownersh ed; 2= still ecify year c cess waste fr ess waste fr waste from blE: thous hundr thous cosal method cently in use	in 9=don't in use; 9= losed from this facil this facil and gallon red tons sand cubic (s) used at e; 2=no lon	s located; 2= of c; 2=private but know) don't know) cility (enter "7 ity disposed at s	19 7 9" if 19 7 site: er method (50 ever used;	[2] (11) [1] (12) [8] (13-14) [5] (15-16) [6] (17-18) [1] (19-26) [0] (27-33) [1] (34-41)
8.	Users of facilitie		landilandilandilandilandilandilandilandi	fill, mixed fill, drumm fill, municonfill, municonfarming farming farm	industrial waste industrial waste ed waste ipal refuse co-cons	disposed	2 (43) 2 (44) 9 (45) 9 (46) 9 (47) 9 (48) 9 (50) 9 (51) 9 (52)
	L121 : W						

•					•			
٠.		 • •	٠.	ټ	ı	ť	<u> </u>	
	٠.	 	-	_		_		

Components (or characteristics) of process wasts from this facility disposed at site: (1-present in waste; 2-not present in waste; 9-don't know)		i i i i i i i i i i i i i i i i i i i		nd Shomrack	Corporation	APR	3 C 1979	 	i XVI is		- -,
Components (or characteristics) of process waste from this facility disposed at site: (1=present in waste; 2=not present in waste; 3=don't know) FILL IN EVERY BLOCK SPACE		lsion/	Subsi dia:	Process C	hem Div.		-				•
Gomponents (or characteristics) of process waste from this facility disposed at site: (1=present in waste; 2=not present in waste; 9=don't know) FILL IN EVERY BLOCK SPACE Acid solutions, with pi≤3. 9] (10) 10 10 11 11 11 11 11	ec:	ility ?	Name:	Carlstadt	Plant		<u> </u>		•		
### STATES STATES	Site	e Name	Kin-Buc	Landfill	· · ·			.:	·		
Acid solutions, with pH<5. 9] (10) pickling liquor 9] (11) metal plating waste 9] (12) chruit etchings 9] (13) inorganic acid manufacture 9] (15) organic acid manufacture 9] (16) Base solutions, with pH>12 custic soda manufacture 9] (16) Base solutions, with pH>12 custic soda manufacture 9] (16) scrubber residual 9] (17) nylon and similar polymer generation 9] (18) scrubber residual 9] (19) scrubber residual 9] (19) arsenic, selenium, antimony 9] (21) arsenic, selenium, antimony 9] (22) iron, manganese, magnesium 9] (22) iron, manganese, magnesium 9] (23) rinc, cadmium, copper, chromium (trivalent) 9] (24) chromium (hexavalent) 9] (25) lead 9] (26) Radinactive residues, >50pico curies/gram 9] (26) lead 9] (27) lathanide series elements and rare earth salts 9] (29) lathanide series elements and rare earth salts 9] (29) ghosphate slag 9] (30) ghosphate slag 9] (30) chroium 9] (30) radium 9] (31) radium 9] (32) radium 9] (33) cuther alpha, beta § gamma emitters 9] (34) Organics 9] (34) Organics 19] (35) herbicides § intermediates 9] (36) herbicides § intermediates 9] (36) halogenated aromatics 9] (37) halogenated aromatics 9] (39) halogenated aromatics 9] (39) halogenated aromatics 9] (39) shalogenated aromatics 9] (34) elastomers 9] (34) cryphs 9] (37) carbontetrachloride 9] (49) carbontetrachloride 9] (59) solvents halogenated aromatic 9] (50) solvents	9.	dispo	sed at si	characteri te: (1=pres	stics) of pent in wast	orocess wa ce; 2=not	ste from t present in	this facil waste;	ity		
pickling liquor metal plating waste circuit etchings inorganic acid manufacture plating inorganic acid manufacture plating metal manufacture plating mylicular mylicular mylon and similar polymer generation scruber residual mylon and similar polymer generation ylicular mylon and similar ylicular		-							•	10.1.6	10)
Base solutions, with pH>12 9 16 caustic soda manufacture 9 17 mylon and similar polymer generation 9 18 scrubber residual 9 19 19 Heavy metals & trace metals (bonded organically & inorganically) 9 (21) arsenic, selenium, antimony 9 (21) mercury 9 (22) iron, manganese, magnesium 9 (23) inic, cadmium, copper, chromium (trivalent) 9 (24) thromium (hexavalent) 9 (25) lead 9 (26) Radinactive residues > 300ico curies/gram 9 (27) uranium residuals & fresiduals for UFG recycling 9 (28) lathanide series elements and rare earth salts 9 (29) lathonium 9 (31) thorium 9 (31) radium 9 (32) other alpha, beta & gamma emitters 9 (35) fungicides & intermediates 9 (35) fungicides & intermediates 9 (35) fungicides & intermediates 9 (38) fungicides & intermediates 9 (38) halogenated aliphatics 9 (38) halogenated aliphatics 9 (34) plastizers 9 (44) plastizers 9 (45) elastomers 9 (45) elastomers 9 (45) solvents polar (except water) 9 (45) carbontetrachloride 9 (48) carbontetrachloride 9 (48) carbontetrachloride 9 (48) solvents halogenated aromatic 9 (48) solvents halogenated aromatic 9 (48) solvents halogenated aromatic 9 (55) solvents		P n	pickling late the circuit et	iquor ing waste chings		• • • • • • • • • •	, , , , , , , , , , , ,				12) 13) 14)
Scrubber residual		Base	organic ac solutions caustic so	id manufact, with pH>	ture ture			• • • • • • • • •			16) 17) 18)
iron, manganese, magnesium rinc, cadmium, copper, chromium (trivalent) 9		Heav	scrubber r y metals & arsenic, s	esidual trace met elenium, a	als (bonded ntimony	organical	lly & inor	ganically)	9 (21) 22)
Tathanide series elements and rare earth salts 9 (29) 19 (30) 19 (30) 19 (30) 19 (31) 19 (31) 19 (32) 19 (31) 19 (32) 19 (33) 19 (34) 19 (35) 19 (34) 19 (35) 19 (34) 19 (35) 19 (36) 19 (36) 19 (36) 19 (36) 19 (36) 19 (36) 19 (36) 19 (36) 19 (36) 19 (36) 19 (36) 19 (36) 19 (37) 19 (37) 19 (38) 19 (38) 19 (39) 19			zinc, cadm chromium (lead	ium, coppe hexavalent	r, chromium)	(trivale	••••••			9 (25) (26) (27)
radium		1	mranium re Tathanide phosphate	esiduals 6 series ele slag	residuals I ments and I	are earth	salts			9	(29) (30) (31)
insecticides & intermediates		•	radium other alph	na, beta &	gamma emitt	ers	• • • • • • • • • •				(33) (34)
fungicides & intermediates rodenticides & intermediates 9 (38) halogenated aliphatics 9 (40) halogenated aromatics 9 (41) acrylates & latex emilsions 9 (41) PCB/PBB's 9 (42) amides, amines, imides 9 (44) plastizers 9 (45) tesins 9 (46) elastomers 9 (47) solvents polar (except water) 9 (47) solvents polar (except water) 9 (48) trichloroethylene 9 (48) trichloroethylene 9 (50) other solvents nonpolar 9 (50) solvents halogenated aliphatic 9 (52) solvents halogenated aromatic 9 (52) oils and oil sludges 9 (54) esters and ethers 9 (55) esters and ethers 9 (56) ketones & aldehydes 9 (56) ketones & aldehydes 9 (57) dioxins 9 (58) Inorganics 9 (59) salts 9 (60) nercaptans 9 (61) Misc 9 (61) Misc 9 (62) pharmaceutical wastes 9 (62)			insecticio	les & inter	mediates · · ·	· · · · · · · · · · · · · · · · · · ·				[9]	(36)
PCB/PBB's 99 (43) amides, amines, imides 99 (44) plastizers 99 (45) tesins 99 (46) elastomers 99 (47) solvents polar (except water) 99 (48) trichloroethylene 19 (50) other solvents nonpolar 19 (51) solvents halogenated aliphatic 19 (52) solvents halogenated aromatic 19 (52) oils and oil sludges 19 (55) esters and ethers 19 (55) alcohols 19 (55) ketones & aldehydes 19 (58) dioxins 19 (58) Inorgamics 19 (58) salts 19 (60) mercaptans 19 (61) Misc 19 (62) nbarmaceutical wastes 19 (65)		** ** *	rodenticional contra la logenata la logena	des & inter ed aliphati ed aromatio	mediates	· · · · · · · · · · · · · · · · · · ·				9	(38) (39) (40) (41)
# ## ## ## ## ## ## ## ## ## ## ## ## #			PCB/PBB's amides, amid	mines, imic	les	• • • • • • • • • •	• • • • • • • • •			9	(43) (44) (45)
trichloroethylene other solvents nonpolar solvents halogenated aliphatic. solvents halogenated aromatic oils and oil sludges esters and ethers alcohols ketones & aldehydes dioxins Inorganics salts mercaptans Misc. pharmaceutical wastes	•		elastomer solvents	s polar (ex	cept water)	• • • • • • • • •	•••••	• • • • • • • • • •		9	(47) (48)
oils and oil sludges esters and ethers alcohols ketones aldehydes dioxins Inorganics salts nercaptans Misc. p (54) (55) (9 (55) (9 (56) (9 (57) (60) (9 (61) (62) (62) (9 (63)			trichloro other sol solvents	ethylene . vents nonpo halogenate	olar d aliphatic			••••••	• • • • • • •	[9]	(50) (51) (52)
dioxins			oils and esters an alcohols	oil sludge d ethers .	5 	• • • • • • • • • •		•••••	• • • • • • •	9	(54) (55) (56)
Misc			dioxins rgamics salts			• • • • • • • • •	• • • • • • • • •			· · · · · · · · · · · · · · · · · · ·	(58) (59) (60)
asbestos			c nhamacei	itical wast	es	•••••		••••••	• • • • • • •	ड्रा	(62)
			asbestos shock ser air water wastes wa	sitive was reactive th flash p	tes (eg. ni wastes (eg. cint below	trated to P:, alum 100° F	lucnes) . inum chlor	ide)		[2] [9] [9]	(66) (67) (68)

APR 3 0 1979

(DO NOT USE)

Corman	ny Name:	Diamond Shamr	ock Corporat	ion	Division/Subsidia	Process Chem Div.
	ity Name:		nt			
	of Site:		ortation			
Addre	ss of Site	: 75 Jacobus				
•	•	no.	street		•	
		•	32.		07032	
		S. Kearny	Ne	w Jersey state	zip code	•
		city		Jeace		•
N	- £ 0	(while used by	facility):	Same		·
Name	oi Owner	(MILLIE MEG D)	ractite,).			
Addre	55:	no.	street			
		110.	201000			
	نسيبي	city		state	zip code	
		(if different	from above)	:		
		(II dirierent	110111 00010)			•
Addre	.55:	no.	· street			
		110.			•	
					zip code	
		city		state	TTP COTT	
 3. 4. 5. 6. 	Amership company ow Current st Year first Year last Still in t Total amou USE TONS Right jus Specify ty is still	at time of use mership) 3=put atus (1= close IF CLOSED, spe used for process used for process only IF POSSIE tify response ppe(s) of disp in use (1=curr	plic ownershed; 2= still ecify year of the cess waste from waste from thous osal method ently in use	in 9=don't in use; 9 losed from this fa on this fa this facil and gallon red tons sand cubic (s) used at e; 2=no lone	acility cility (enter "79" ity disposed at si s	2 (11) 2 (12) 19 (13-14) 19 (13-14) 19 (15-16) if 19 (17-18) te: (19-26) 11 11 19 (27-33) 11 11 19 (34-41) method r used;
•	9=don't k		land land land pits deep land inci trea repr othe	fill, mixed fill, drumm fill, munice / ponds/lago well inject farming neration tment (eg. ocessing/r (specify	ned waste sipal refuse co-discons ction neutralizing) ecycling	[3] (44) [3] (45) [3] (46) [3] (47) [3] (48) [3] (49) [1] (50) [3] (51)
	1 * CT } ***	ES AND ADDRESS	SES OF OTHER	KNOWN USE	RS BELOW	

APR 3 C 1979

cmmany Name:	Diamond	Shamro	ck Co	orporation
commany Name: Livision/Subs	idiai; I	rocess	Chem	Division

Facility Name: Carlstadt Plant

Site Name: Modern Transportation

 Components (or characteristics) of process waste from this facility disposed at site: (l=present in waste; 2=not present in waste; 9=don't know)

FILL IN EVERY BLOCK SPACE

FILL IN EVERY BLOCK SPACE	
Acid solutions, with pH<3	
päckling liquor (11)	
metal plating waste	•
rimonit etchings	
inorganic acid manufacture	
\sim	
Base solutions, with pil>12	
caustic soda manufacture	
males and cimilar polymer deferation"	
the man model of the companies (honded organically 5 inorganically) [1] (20)	
zinc, cadmium, copper, chromium (trivalent)	
zinc, cadmium, copper, chromium (trivatent) chromium (hexavalent) lead	
lead Ra:dioactive residues, >50 pico curies/gram (27)	
Raidioactive residues, 505100 curies/gram uranium residuals & residuals for UF6 recycling	
and rate and commonte and rare earth Sairs accesses to the term of the common of the c	
1 - where a in a	
1 - 1 to Labor C commo omittore	
1 1: 1: 1- C improvedintes	
c -1-11-a C impromodiates	
1	
• • · · · · · · · · · · · · · · · · · ·	
7	
PCB/PBB's	
amides, amines, imides	
plastizers	
1 1	
dioxins	
salts	ļ
· · · · · · · · · · · · · · · · · · ·	,
	1
wastes with flash point below 100° r	1
Mageod Will. 12-511 pro-1	. •

APR 3 0 1979

1	sim, Subsidiar, Process Chem Division		
Faci	lity Name: Carlstadt Plant		
•		,	
Site	Name: Scientific Chemical Processing		
02.00			
9.	Components (or characteristics) of process waste from this facility		
	disposed at site: (1=present in waste; 2=not present in waste,		
	9=don"t know)		
	THE TAX THE PLACE CHACK		
	FILL IN EVERY BLOCK SPACE		
	Acid solutions, with rH<3	21 (10)	
•	pickling liquor	21 (11)	
	metal plating waste	2 (12)	
		- ()	
	:		
		~ (/	
		エ しゃく/	
	1. C masola Chanded organically & INOTVANICALLY	111 (20)	
•	arsenic, selenium, antimony mercury	(22)	
	mercury	121 (23)	
		, , ,	
	zinc, cadmium, copper, chromium (trivalent)	(25)	
	chromium (hexavalent)	21 (26)	
	Radioactive residues, >50pico curies/gram	21 (27)	
	uranium residuals & residuals for UF6 recycling	21 (28)	ı
	1-the-ile comics elements and Tare Parth Salls	[4] ()	•
	-1	[4] (30)	,
		121(22)	,
		121(22)	,
	.1	1-1 (0-)	,
		F-1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	,
		1 - 1 ()	,
, •	1 1 1 1 1 2 5 5 4 4 4 4 4 5 5 6 6 6 6 6 6 6 6 6 6 6		,
	c	121(~/)	,
•	1	121(00)	,
	halogenated aliphatics	(40)	ì
	halogenated aromatics	2 (41))
	acrylates & latex emulsions	21 (42)	Ì
	PCB/PBB's	2 (43)	Ì
	amides, amines, imides plastizers	2 (44)	ĺ
	resins	11 (45))
	elastomers	2 (46)	ĺ
•		12107	,
	1	141 (40)	,
		141 (45)	J
		1-1 (30.	J
	- 1-1	121624	,
	a 1 . 1	141 (34)	j
		1 - 1 (
		141,37	J
		1 (•
	44 4	12; (0)	,
	Inorganics	1 + 1 (•
	salts	2 (60	j
		1-1(~-	. ,
	-1	1-10-	٠,
		1-1.00	_
		1 1 1	
	alank consistive unerge (or nitroted telluares)	14 130	
	aim when reactive wastes (eq. Pt. 3)[F][H][F] CRIOFICE	191.50	
	wastes with flash point below 100° F	68. ليا	ز
			,

GREE B: DISPOSAL SITE INFORMATION

APR 3 0 1979

`omoa	nv Name: r	Hamond Shamro	ck Corporation	Division/Subsid	liar: Process Chem Div.
acii	LLY Name.	Carlstadt Plan	mical Processing		
	of Site:	A11 W	lson Avenue	. 4 4,1	
ware	ss of Site:		street	•	
	•	no.	361606		,
•	•	Newark	New Jersey	07015	
		city	state	zip code	
		CILY		•	
	- C O (2)	hilo used hy	facility): Same		<u> </u>
Name	of Owner (w	mile med by	Tacility).		-
Addro	ess:		street		_
		no.	361666	,	
					<u> </u>
			state	zip code	•
		city	•		•
Curr	ent Owner (if different :	from above):		
Addr	ess:				-
, was		no.	· street	•	
			•		•
			state	zip code	-
	· · ·	city	State	22p 332	•
 3. 4. 5. 6. 	Ownership a company own Current star I Year first Year last u still in us Total amount USE TONS Of Right just	ership) 3=pub tus (1= close F CLOSED, species of for processing)	plic ownership 9=doned; 2= still in use; ecify year closed tess waste from this ess waste from this waste from this fact thousand gall hundred tons thousand cubi osal method(s) used ently in use; 2=no length control of the cont	facility facility (enter " ility disposed at ons c yards at site and wheth onger in use; 5=n	9 (12) 19 (13-14) 19 7,5 (15-16) 79" if 19 7,8 (17-18) site: [
8.			landfill, mix landfill, dru landfill, mux pits/ponds/la deep well inj land farming incineration	a facility and OT	ite 3 (45) 3 (44) 3 (45) 3 (45) 3 (46) 3 (47) 3 (48) 2 (49) 9 (50) 3 (51) 3 (52)
			SES OF OTHER KNOWN U		

PROCESS WASTE FROM THIS FACILITY SINCE 1950 AND TOOK IT
Company Name: Diamond Shamrock Corporation Division/Swisician Process Chem Div.
Facility Name: Carlstadt Plant
Name of Hauling Firm/Contractor: Dominic Toscano Address: (no.) 143 (street) Pennington Street
(nin code)
(city) Newark (state) NJ (215 Code)
195101(10-11)
1. Year first used
2. Year last used (enter "79" if still in use)
3. Total amount of process waste hauled from this facility:
USE TONS ONLY IF POSSIBLE- thousand garrons
Right justify response hundred tons
4. Components (or characteristics) of process waste from this facility disposed
at site: (1=present in waste; 2=not present in waste, 3=don't know, 1 FILL IN EVERY BLOCK SPACE
Acid solutions, with pH<3
pickling liquor
Base solutions, with DA 12 (44) caustic soda manufacture [2] (44)
1 -i-ilam malamar (Afferall III) and an analysis of the control of
nylon and similar polymer generation to the scrubber residual
and the second matrix (honded Offanically & Hillianically)
Heavy metals & trace metals (bonded organization) [2] (48) arsenic, selenium, antimony
arsenic, selenium, antimony $\frac{2}{2}$ (49) mercury $\frac{2}{2}$ (50)
irom, manganese, magnesium (***iralent)
zinc, cadmium, copper, chromital (trivarent)
chromium (hexavalent)
lead
Radioactive residuels, For UF6 recycling
uranium residuals & residuals for or of recyclais lathanide series elements and rare earth salts
lathanide series elements and rate earth sales
phosphate slag
thorium
radīum [2] (60) other alpha, beta & gamma emitters [2] (61)
other alpha, beta & gama emitters Organics
insecticides & intermediates
herbicides & intermediates
fungicides & intermediates
rodenticides & intermediates
halogenated aromatics
acrylates & latex emilsions
PCB/PBB's
plastizers [72] resins
soluents polar (except water)
carbontetrachlorice
trichloroethylene other solvents nonpolar [2] (78)
other solvents nonpolar solvents halogenated aliphatic. solvents halogenated aromatic oils and oil sludges [2] (78) [2] (79) [1] (10) [1] (10)
solvents halogenated allohalic.
solvents natogenates architects
oils and oil sludges
alcohols
dioxins
Inorganics [1] (16) salts
mercaptans
pharmaceutical Wastes
paints & pignents
paints & pigments catalysts (eg. vanadium, platinum, palladium) asbestos shock sensitive wastes (eg. nitrated toluenes) 2 (21) 2 (22) 2 (24)
asbestos
shock sensitive wastes (56, Harriston, Translation 1, 22, 22)

APR 30 1979.

(DO NOT USE, (1-5)

PROVIDE A COMPLETE LIST OF ALL FIRMS AND INDEPENDENT CONTRACTORS, INCLUDING THE COMPANY AND ITS AFFILIATES AND SUBSIDLARIES, USED TO REMOVE PROCESS WASTES FROM THIS FACILITY SINCE 1950.

Company Name:	Diamond Shamrock Corporation	
Division/Subside	diary Process Chem Division	
Facility Name:	Carlstadt Plant	

Facility Name: Carlstadt P	lant		
Name of Firm or Contractor	Address	ICC # (If Known)	Years Used
Pinto Services	41 Church Street Lodi, New Jersey 07644		29
Scientific Chemical Processing	411 Wilson Avenue Newark, New Jersey 07015		4
Modern Transportation Co.	75 Jacobus Avenue South Kearny, New Jersey 07032		2
Dominic Toscano	143 Pennington Street Newark, New Jersey		14
Chemical Control Corp.	23 South Front Street Elizabeth, New Jersey		2
Gaess Environmental	Scotch Plains, New Jersey 07076		1



STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF AUTHORIZATION



PERMIT NO.

ISSUANCE DATE

EFFECTIVE DATE

EXPIRATION DATE

1-15-89

NJ0002798

12-7-83

1-15-54

SSUED TO

Diamond Shamrock Corporation 1100 Superior Avenue Cleveland, OH 44114

FOR ACTIVITY/FACILITY AT

13th Street and Berry Ave.
Carlstadt Borough

Bergen County, NJ 07072

Diamond Shamrock Corporation 1100 Superior Avenue Cleveland, OH 44114

SSUING DIVISION

Water Resources

☐ Coastal Resources

☐ Environmental Quality

TYPE OF PERMIT

NJPDES-DSW

STATUTE(S)

APPLICATION NO

N.J.S.A.

OWNER

58:10A-1 et seq.

NJ0002798

A PERMIT TO

discharge into the Berry's Creek, classified as TW-2 Waters, in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I, II, III and IV hereof.

the Authority of: hn W. Gaston, Jr., P.E. rector vision of Water Resources

DEP AUTHORIZATION

Form DEP- 008

THIS NOTICE MUST BE CONSPICUOUSLY DISPLAYED AT THE ACTIVITY FACILITY SITE.

DIAMOND-SHAMROCK (OXY PROCESS CHEMICALS, INC.) WASTES PRODUCED

FROM REGION II RCRA NOTIFICATION

- 11011 11202	
D000	Any Combination of Arsenic, Barium, Cadmium, or Chromium
F005	The following spent non-halogenated solvents: xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; and the still bottoms from the recovery of these solvents.
U007	Acrylamide
U122	Formaldehyde
U165	Naphthalene

U188 Phenol

U223 Toluene Diisocyanate

FROM NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

U1007 Acrylamide
U122 Formaldehyde
U165 Naphthalene

U188 Phenol

U223 Toluene Dissocyanate

FROM RCRA PART A NOTIFICATION

U002 Acetone

U007 Acrylamide

U013 Asbestos

U031 N-Butyl Alcohol

U037 Chlorobenzene

U044 Chloroform

U052 Cresols

U117	Ethyl Ether
U122	Formaldehyd
U123	Formic Acid
U154	Methanol
U165	Naphthalene
U188	Phenol
U238	Urethane
U239	Xylene
D004	Arsenic
D005	Barium
D006	Cadmium
D007	Chromium
D008	Lead
D009	Mercury
D010	Selenium

FROM WES REPORT

Silver

D011

D004	Arsenic (92403, 92404, 92405, 92406)
D006	Cadmium (92403, 92404, 92405, 92406)
D007	Chromium (92403, 92404, 92405, 92406)
D008	Lead (92403, 92404, 92405, 92406)
D009	Mercury (92403, 92404, 92405, 92406)
U002	Acetone (92403, 92404, 92405, 92406)
U239	Xylene (92405, 92406)

FROM SAMPLES TAKEN 10/30/86

U002	Acetone (CS-6, CS-9, CS-8, S6-4, S9-4)
U239	1,3-Dimethylbenzene (Xylene) (CS-6)
U188	Phenol (CS-6, CS-9)
U165	Naphthalene (CS-6, CS-8, CS-9)
D004	Arsenic all samples taken on 10/30/86
D006	Cadmium all samples taken on 10/30/86
D007	Chromium all samples taken on 10/30/86
D008	Lead all samples taken on 10/30/86
D009	Mercury all samples taken on 10/30/86
F005	2-Butanone